Course Catalogue

ACAD — Academic Discourse

As ACAD 100 is designed to support first-year success, students are encouraged to register in these courses. Some faculties may not accept ACAD 100 for credit towards a degree program. These courses are used in the total number of attempted hours and in the evaluation of your academic record with the University. Please consult your academic advisor.

ACAD 100 3:3-0
Academic Discourse: Writing, Research, and Learning Strategies
This course provides first-year students with tools for successful communication across the disciplines by emphasizing elements of effective writing and academic research. Topics include rhetorical considerations for effective writing, process-oriented writing and revision, critical reading skills, approaches to group collaboration, research tools, bibliographies, academic integrity, and citation methods.

ACSC — Actuarial Science

ACSC 041 1:0-0
Actuarial Science Internship Term 1
First four month term of Actuarial Science Internship Program.
***Permission of the department head is required to register. ***

ACSC 042 1:0-0
Actuarial Science Internship Term 2
Second Term of Actuarial Science Internship Program.
Prerequisite: ACSC 041.

ACSC 043 1:0-0
Actuarial Science Internship Term 3
Third term of Actuarial Science Internship Program.
Prerequisite: ACSC 042.

ACSC 044 1:0-0
Actuarial Science Internship Term 4
Fourth term of Actuarial Science Internship Program.
Prerequisite: ACSC 043.

ACSC 116 3:3-0
Mathematics of Finance I
This course provides a basis of financial mathematics. Topics include measurement of interest, basic and general annuities, yield rates, amortization schedules, and sinking funds.
Prerequisite: MATH 103 or 110
Note: Students can receive credit for only one of MATH 116 and ACSC 116.

ACSC 216 3:3-0
Mathematics of Finance II
This course is a continuation of Mathematics of Finance I and covers more advanced topics ranging from the theory of interest to principles of corporate finance. Specific topics include bonds, securities, analysis of risk and basic principles of pricing theory.
Prerequisite: ACSC 116 or MATH 116.
Note: Students can receive credit for only one of MATH 216 and ACSC 216.

ACSC 217 3:3-3
Introduction to Actuarial Mathematics
Topics include: economics of insurance, applications of probability to problems of life insurance, life annuities, and life tables.
Prerequiste: ACSC 116 or MATH 116, and STAT 251.
Note: Students may receive credit for only one of ACSC 217 or STAT 217.

ACSC 300 3:3-1
Statistical Learning and Predictive Modeling
Selected topics and techniques in statistical learning and predictive modeling, including linear models, logistic regression models, regression trees, classification models and statistical software.
Prerequisite: MATH 122, STAT 251, STAT 252, and CS 110
Note: Students can receive credit for only one of ACSC 300 and STAT 300

ACSC 316 3:3-0
Mathematics of Finance III
This course covers the theory and pricing of financial derivatives such as Puts and Calls, with particular emphasis on the Black-Scholes model.
Prerequisite: ACSC 216 or MATH 216, and STAT 251.
Note: Students can receive credit for only one of Math 316 and ACSC 316

ACSC 317 3:3-1
Actuarial Models I
Probabilistic and deterministic contingency mathematics in life insurance and pensions. Topics include: benefit premiums, benefit reserves, multiple life functions, and multiple decrement models.
Prerequisite: ACSC 217 or STAT 217.
Note: Students may receive credit for only one of ACSC 317 or STAT 317

ACSC 318 3:3-0
Actuarial Models II
This course introduces collective risk models over an extended period. Stochastic processes are introduced, followed by definition and application of Markov chains. Introductory loss model material is also presented.
Prerequisite: ACSC 317 or STAT 317
*Note: Students **may receive credit for only one of ACSC 318 or STAT 318***

ACSC 390 3:3-0
Directed Reading in Actuarial Science - an AA-ZZ series.
Prior to registration of the student(s) the instructor must present to the department head a detailed outline of the material to be covered, the method of delivery and the method of evaluation.

ACSC 417 3:3-0
Introduction to Casualty Insurance and Credibility
An introduction to property/casualty loss reserving techniques. Topics include: reserves in casualty insurance, ratemaking process, credibility and ruin theory.
Prerequisite: ACSC 317.

ACSC 418 3:3-1
Time Series Analysis and Forecasting
This course aims to introduce various statistical models for time series and cover the main methods for analysis and forecasting. Topics include: Deterministic time series: Trends and Seasonality; Random walk models; Stationary time series: White noise processes, Autoregressive (AR), Moving Average (MA), Autoregressive Moving Average (ARMA) models; Estimation, Diagnosis and Forecasting with various time series models; R programming for Time Series Analysis.
Prerequisite: STAT 354.
Note: Students may receive credit for only one of ACSC 418 or STAT 418

ACSC 419 3:3-0
Estimation and Selection of Actuarial Models
Topics will include: individual risk models for a short term, collective risk models for a single period, and extended period, application of risk theory.
Prerequsite: ACSC 318 and STAT 351.

ACSC 456 3:3-0
Applied Stochastic Processes
An introduction to stochastic processes; Markov chains; Poisson processes; renewal processes; Brownian motion; simulation.
Prerequisite: STAT 351.
Note: Credit can be earned for only one of STAT 456 and ACSC 456.

ADMN Administration

ADMN 001 0:0-0
Co-operative Administrative Work/Study I
This zero-credit hour course is for students in their first work term. Registration in this course enables students completing work terms to enjoy the same privileges (e.g. use of University facilities) enjoyed by students registered for the term.
Prerequisite: Acceptance into the Co-operative Education program is required prior to registration.

ADMN 002 0:0-0
Co-operative Administrative Work/Study II
This zero-credit hour course is for students in their second work term. Registration in this course enables students completing work terms to enjoy the same privileges (e.g. use of University facilities) enjoyed by students registered for the term.
*****Prerequisite: ADMN 001 *****

ADMN 003 0:0-0
Co-operative Administrative Work/Study III
This zero-credit hour course is for students in their third work term. Registration in this course enables students completing work terms to enjoy the same privileges (e.g. use of University facilities) enjoyed by students registered for the term.
***Prerequisite: ADMN 002 ***

ADMN 004 0:0-0
Co-operative Administrative Work/Study IV
This zero-credit hour course is for students in their fourth work term. Registration in this course enables students completing work terms to enjoy the same privileges (e.g. use of University facilities) enjoyed by students registered for the term.
Prerequisite: ADMN 003

ADMN 007 0:0-2
Administration Computer Lab
This compulsory pass/fail laboratory will familiarize students with microcomputers and the application software available for personal computers. Students will be instructed in the use of word processing, spreadsheets, presentation software, databases, and communication packages. The emphasis of the lab will be on managerial applications of the software so students will be able to utilize the computer for their remaining administration courses.
*Note: Students must take this course during their first term in the administration program. *

ADMN 100 3:3-0
Introduction to Administration
This course will introduce students to the functional areas of administration in a variety of organizations.
Note: Students who have received credit for more than two of ADMN 210 (or BUS 210), ADMN 250 (or BUS 250), ADMN 270 (or BUS 270), ADMN 275 (or BUS 275), ADMN 288 (or BUS 288), ADMN 290 (or BUS 290), ADMN (or BUS) courses numbered 300 or higher may not take or receive credit for ADMN 100. Students may not receive credit for both ADMN 100 and BUS 100.

ADMN 203 3:3-0
Comparative Management
This course deals with the relationship between organizational forms, business and government institutions, economic development, and values and cultures of societies. The roles and responsibilities of the business manager and public administrator are examined in the context of the impact of changing technologies and institutions on values and cultures. Case studies from Indian business and public administration will be used.
Prerequisite: ADMN 260 or BUS 260
Corequisite: Pre-administration year

ADMN 205 3:3-0
Management Communications
This course is designed to assist students to improve their skill and confidence as effective communicators in an organizational context. Students will explore the issues faced by organizations in communicating internally with employees and externally with diverse publics. The course focuses on both oral and written communications.
Prerequisite: AE 019 or ENGL 100 or EPS 116
*Note: Students may receive credit for only one of ADMN 205, BUS 205, and ADMN 265. *

ADMN 210 3:3-0
Introduction to Marketing
This course presents the fundamentals of marketing theory and practice at the introductory level. Drawing upon contributions from the social sciences, the course will introduce students to the generic nature of marketing activity. In particular, attention is directed toward the study of the price, promotion, place, and product components of the ?marketing mix?. Attention is also directed toward the social and legal environment within which the marketing system functions.
Prerequisite: ADMN 100 (or BUS 100) and ADMN 260 (or BUS 260). Concurrent enrolment is allowed in ADMN 260.
Note: Students may not receive credit for both ADMN 210 and BUS 210.

ADMN 220 3:3-0
Introduction to First Nations Public Administration
This introductory course is designed to present the managerial implications of a band government administrative structure. Major concepts and findings in the field of management will be compared with band management and its unique demands. Similarities and differences in band management structures will be compared with business and public administration models.
Prerequisite: ADMN 100 or BUS 100, and ADMN 285 or BUS 285

ADMN 225 3:3-0
First Nations Economic Development
This course is designed to evaluate the strengths and weaknesses of various approaches to band entrepreneurial development undertaken by government agencies, research and planning groups, band organizations, band councils and individual band entrepreneurs. Problem areas and alternative approaches will be investigated in relation to the physical and social environments, external factors, and the socio-cultural environment.
Prerequisite: ADMN 100 or BUS 100

ADMN 228 3:3-0
First Nation Public Administration in Canada
This survey course focuses on First Nation governments. Emphasis is on its concepts, issues, and rapidly emerging and changing systems. Special emphasis is given to the policy, financial and personnel aspects of First Nations public sector administration.
Prerequisite: ADMN 100 or BUS 100

ADMN 235 3:3-0
Selected Topics in Administration I - an AA-ZZ series
Courses are designed at the 200-level as required for individuals or groups of undergraduates.
Prerequisite: Dependent on each class offering

ADMN 250 3:3-0
Introduction to Human Resource Management and Industrial Relations
This introductory course addresses basic concepts and processes of the field of human resource management. Topics include: human resource planning, job analysis, recruitment, selection, orientation, training and development, performance management, compensation management, workplace health and safety, and employee and labour relations.
Prerequisite: ADMN 100 (or BUS 100) and ADMN 260 (or BUS 260).
Note: Students may not receive credit for both ADMN 250 and BUS 250.

ADMN 260 3:3-0
Introduction to Organizational Behaviour
This introductory course addresses basic concepts and processes of organizational behaviour. The topics include individual level variables, such as perception, personality, attitudes, and motivation; interpersonal and group processes, such as communication, teams, leadership, and power; and, organizational level factors such as organizational design, culture, and change.
Note: Students may not receive credit for both ADMN 260 and BUS 260.

ADMN 261 3:3-0
Introduction to Hospitality, Tourism, and Gaming Entertainment Management
This course is an introduction to management in the hospitality, tourism and gaming entertainment industries with an emphasis on concepts, issues and best practices in lodging, restaurant, tourism, and gaming entertainment organizations. The course provides a comprehensive overview and uses cases, readings and guest lectures from the industries to help students develop and expand their decision making skills. The course offers both First Nations and non-First Nation perspective.
Note: Students may not receive credit for both ADMN 261 and ADMN 436AJ

ADMN 262 3:3-0
Introduction to the Gaming Industry
This course is a survey introduction to the gambling and commercial gaming industry. Lectures on the economic, legal, and social aspects of gambling and commercial gaming are combined with case studies to provide a solid foundation in gaming for those students who plan to pursue a specialization in Hospitality, Tourism, and Gaming Entertainment Management. This course focuses on contemporary and future issues that face the gambling and commercial gaming industry.
Note: Students may not receive credit for both ADMN 262 and ADMN 436AA

ADMN 270 3:3-0
Introduction to Quantitative Analysis
This course is an introduction to the use of quantitative techniques as an aid to organizational decision making. Emphasis will be on the formulation and solution of resource allocation, inventory scheduling, and decision making and on the suitability of such methods.
Prerequisite: ADMN 100 (or BUS 100), MATH 103, and STAT 100.
Note: Students may not receive credit for both ADMN 270 and BUS 270.

ADMN 275 3:3-0
Operations Management
An introduction to the management of the operations function in organizations. Topics will include: forecasting, planning, scheduling, layout, control over quality, and quantity of output. Problems of production of goods and services will be considered.
Prerequisite: ADMN 100 (or BUS 100), MATH 103, and STAT 100.
Note: Students may not receive credit for both ADMN 275 and BUS 275.

ADMN 285 3:3-2
Introduction to Financial Accounting
This course presents the fundamentals of financial accounting theory and practice at the introductory level. It considers basic accounting principles, their application in modern business organizations and the preparation of business records and financial reports.
*Note: Students may not receive credit for both ADMN 285 and BUS 285. *

ADMN 288 3:3-0
Introduction to Managerial Accounting
This course introduces the use of accounting systems for managerial information and control purposes. It also provides an introduction to some of the problems inherent in assigning valuations to various cost objects.
Prerequisite: ADMN 100 (or BUS 100) and ADMN 285 (or BUS 285).
Note: Students may not receive credit for both ADMN 288 and BUS 288.

ADMN 290 3:3-0
Introduction to Finance
An introduction to the fundamental valuation techniques used in finance. Topics will include: discounted cash flow analysis, net present value, capital budgeting, risk, asset and security valuation, and corporate capital structure.
Prerequisite: ADMN 100 (or BUS 100), STAT 100, and ADMN 285 (or BUS 285). Concurrent enrolment is allowed in ADMN 285.
Note: Students may only receive credit for one of ADMN 290, BUS 290, and ACSC 216.

ADMN 302 3:3-0
Entrepreneurship: Small Business Modeling and Feasibility Analysis
This course addresses early stage elements of starting up and operating a small business on a conceptual level. Using cases, competitions and experiential exercises, students will learn opportunity alertness and identification, building a value proposition, testing business hypotheses, creating competitive advantage, setting up financials, analyzing break even, charting growth and planning for exit. Students develop, build and test an entrepreneurial opportunity they identify, and assess its feasibility. The course applies to all business start up including non profit, for profit, for benefit and corporate or institutional intrapreneurship.
Prerequisite: Completion of a minimum of 60 credit hours of university studies.
Note: Students may only receive credit for one of BUS 302, ADMN 302, and ENGG 436.

ADMN 307 3:3-0
Business Law
This course provides an introduction to Canadian legal institutions and processes. Topics will include: the judicial system, law making, contracts, torts and civil liability, constitutional and administrative law, and criminal law.
Prerequisite: ADMN 100 (or BUS 100) and 45 credit hours of university studies.
Note: Students may not receive credit for both ADMN 307 and BUS 307.

ADMN 310 3:3-0
Strategic Marketing
The purpose of the course is to introduce the student to the types of decisions that they would be facing in a marketing-related job. Emphasis will be placed on the application of theoretical concepts to real world problems by using case studies. The course will focus on the major decisions facing marketing executives in their attempt to harmonize the objectives and resources of the organization with the opportunities found in the marketplace.
***Prerequisite: ADMN 210 or BUS 210 ***
*Note: Students may not receive credit for both ADMN 310 and BUS 310. *

ADMN 311 3:3-0
Hospitality, Tourism, and Gaming Entertainment Marketing Management
This course covers strategic marketing concepts applied to hospitality, tourism and gaming entertainment industries. It focuses on strategic marketing management and covers concepts, issues, trends, and best practices related to information technology, marketing in computer-mediated environments and the experience economy.
***Prerequisite: ADMN 261 ***
*Note: Students may not receive credit for both ADMN 311 and ADMN 436AB. *

ADMN 312 3:3-0
Consumer Behaviour
Survey of noteworthy contributions of the behavioural sciences to the understanding and prediction of consumer behaviour. Contributions of the various research techniques in the social sciences that contribute to the understanding of consumer purchasing and decision-making processes, with particular attention to formal and informal influence patterns. Includes a survey of models of consumer purchasing behaviour, brand loyalty, and product cycles.
***Prerequisite: ADMN 210 or BUS 210 ***
*Note: Students may only receive credit for one of ADMN 312, BUS 312, or ADMN 412. *

ADMN 320 3:3-0
Planning in First Nations Public Sector Organizations
This course will enable participants to better understand the community planning process and the techniques and methods of analysis utilized in comprehensive community planning. The course also provides a focus on the guidelines for public sector program implementation.
***Prerequisite: ADMN 220 or permission of the department head ***

ADMN 328 3:3-0
Advanced First Nations Public Administration
This is an advanced course in First Nations public administration. Topics include: strategic planning, program development, budgeting, program implementation and evaluation, funds accounting, financial reporting, management control, and financing and financial management for First Nations governments and related organizations.
***Prerequisite: ADMN 228 ***

ADMN 330 3:0-0
Administration Work Experience Internship I
The Administration Work Experience Internship consists of a thirteen-week part-time placement at a host organization partner, in which the student intern performs work on designated projects.
Prerequisite: All BAdmin required 200-level courses
Permission of the department head is required to register

ADMN 331 3:0-0
Admin Work Experience Intern II
The Administration Work Experience Internship consists of a second thirteen-week part-time placement at a host organization partner, in which the student intern performs work on designated projects.
Prerequisite: All BAdmin required 200-level courses and ADMN 330
Permission of the department head is required to register

ADMN 335 3:3-0
Selected Topics in Administration II - an AA-ZZ series
Courses are designed at the 300-level as required for individuals or groups of undergraduates.
Prerequisite: Dependent on each class offering

ADMN 340 3:3-0
Government Finance
This course examines the basic principles and practices of government finance in Canada. Topics include: the role of government expenditures, basic principles and structure of taxation, and intergovernmental transfers.
Prerequisite: ECON 201 and ECON 202
Note: Students may only receive credit for one of ADMN 340, BUS 340, and ECON 232.

ADMN 341 3:3-0
Public Sector Management in Canada
An examination of public administration models and concepts from the perspective of the public sector manager. The demands of the public sector organization and environment, including employers, citizens, politicians, unions, and other government departments, will be analyzed through lectures, discussions, and case studies.
Prerequisite: ADMN 260 or BUS 260

ADMN 351 3:3-0
Strategic Human Resource Development in Hospitality, Tourism and Gaming Entertainment
This course covers the strategic management of Human Resource Development in the context of hospitality, tourism, and gaming entertainment organizations. Trends, issues, and best practices in training and development are examined in the context of comprehensive Human Resource Development and internal strategies for service industries.
Prerequisite: ADMN 261
*Note: Students may not receive credit for both ADMN 351 and ADMN 436AD. *

ADMN 352 3:3-0
Negotiations in a First Nations Setting
Negotiation as a means of conflict resolution is examined in the context of intergovernmental relationships, intra-organizational relationships, and business-client relationships. The course is experiential based and will focus on decision analytic perspectives to negotiation.
Prerequisite: ADMN 260 or BUS 260

ADMN 374 3:3-0
Quantitative Methods Applied to Gambling and Commercial Gaming Management
This course covers the history of games of chance with and analysis of odds, probability, house edge and expectation. Emphasis is placed on the use of quantitative methods for management analysis and decisions in a casino environment.
Prerequisite: ADMN 261
*Note:Students may not receive credit for both ADMN 374 and ADMN 436AK. *

ADMN 375 3:3-0
Managing Information Systems
An overview of management and organizational issues surrounding the Information Systems/Information Technology (IS/IT) function, in its interaction with business functions within and between organizations. Topics will include the evolution of the IS/IT functions, functional area systems, current trends, strategy, managing and acquiring IS resources, and ethical issues surrounding IS/IT.
Prerequisite: ADMN 205 (or ADMN 265 or BUS 205), ADMN 210 (or BUS 210), ADMN 250 (or BUS 250), ADMN 275 (or BUS 275), ADMN 285 (or BUS 285), ADMN 288 (or BUS 288), ADMN 290 (or BUS 290), and ADMN 007 (or BUS 007)
Note: Students may only receive credit for one of ADMN 375, ADMN 435AI, and BUS 375.

ADMN 396 3:3-0
Financial Management and Management Accounting in Hospitality, Tourism, and Gaming
This subject covers revenue sharing agreements, budgeting, revenue/cash flow, internal/external auditing, controls, security, and ancillary services. The focus is on the structure and the processes of financial management and accounting functions and their impact on the productivity, organizational efficiency and effectiveness in hospitality, tourism and gaming entertainment organizations.
Prerequisite: ADMN 261
*Note: Students may not receive credit for both ADMN 396 and ADMN 436AC *

ADMN 400 3:3-0
Business Strategy
This course focuses on the formulation and implementation of policy and strategy. It centers on the role and responsibilities of the general manager in formulating the goals and objectives of an organization; on integrating policies, plans, and programs; and, on using structures and systems of personal influence so that the organization can operate with a sense of direction and purpose.
Prerequisite: All core Administration courses and a minimum of 90 credit hours.
Note: Students may not receive credit for both ADMN 400 and BUS 400.

ADMN 405 3:3-0
Business, Government, and Society
This course provides the student with an understanding of the institutional framework of the Canadian economy and society.
Prerequisite: A minimum of 75 credit hours
Note: Students may not receive credit for both ADMN 405 and BUS 405.

ADMN 406 3:3-0
Strategic Management in Hospitality, Toursim and Gaming Entertainment Management
This course covers strategic management in hospitality, tourism, and gaming entertainment industries. It focuses on strategic management theory, best practices, trends, and issues in service industries. Policy formulation and implementation, information technology management, and the experience economy are emphasized.
Prerequisite: 12 credit hours of courses from the Hospitality, Gaming, Tourism, and Entertainment Management Program
*Note: Students may not receive credit for both ADMN 406 and ADMN 436AF *

ADMN 414 3:3-0
The Management of Promotion
This course combines concepts in advertising, personal selling, and other marketing communications tools to provide an overall promotional mix. It focuses on the theory and rationale behind various structures, and keeps the purely descriptive content to a reasonable minimum. Problems are viewed through the eyes of the promotions manager rather than from the technician's perspective.
Prerequisite: ADMN 210 (or BUS 210)
*Note: Students may not receive credit for both ADMN 414 and BUS 414. *

ADMN 415 3:3-0
International Marketing
This course will concentrate on the problems associated with conducting business in a foreign market. How should a company, large or small approach an export market? How significant are the cultural differences and how will these differences affect the selection of a marketing strategy? How should this strategy be selected and what retaliation can be expected from the domestic competition?
Prerequisite: BUS 31x course or BUS 374AA-ZZ
Note: Students may not receive credit for both BUS 415 and ADMN 415

ADMN 432 3:3-0
Directed Readings - an AA-ZZ series.
This course consists of directed readings in selected topics in administration.
Prerequisite: Dependent on each class offering.
Note: Students may not receive credit for both ADMN 432AA-ZZ and an equivalent BUS 432AA-ZZ covering the same topic.

ADMN 435 1-3:3-0
Selected Topics in Administration - an AA-ZZ series.
Courses are designed at the 400-level as required for individuals or groups of undergraduates.
Prerequisite: Dependent on each class offering
Note: Students may not receive credit for both ADMN 435AA-ZZ and an equivalent BUS 435AA-ZZ covering the same topic

ADMN 436 1-3:3-0
Selected Topics in Administration - an AA-ZZ series.
Courses designed as required for individuals or groups of undergraduates.

ADMN 437 1-3:3-0
Selected Topics in Hospitality, Tourism, and Gaming Management - an AA-ZZ series.
Courses designed as required for individuals or groups of undergraduates.

ADMN 438 1-3:3-0
Selected Topics in Administration - an AA-ZZ series.
Courses designed as required for individuals or groups of undergraduates.

ADMN 439 1-3:3-0
Selected Topics in Administration - an AA-ZZ series.
Courses designed as required for individuals or groups of undergraduates.

ADMN 441 3:3-0
Public Policies for Northern Development
This course examines many of the problems encountered in the development of northern areas. Special emphasis is placed on the difficulties inherent in the pursuit of economic advancement within a framework of cultural, environmental, and distribution constraints.
***Prerequisite: ADMN 340 or BUS 340 ***

AMTH Adult Mathematics

AMTH 001 3:3-2
Mathematics I
An introduction to algebra, this course is the first of two courses that meet the algebra requirement of courses at the University of Regina.

AMTH 002 3:3-2
Mathematics II
A continuation of Mathematics I, this course meets the algebra requirement of courses at the University of Regina.
Prerequisite: AMTH 001

AMTH 003 3:3-2
Mathematics III
This course meets the geometry and trigonometry requirement of courses at the University of Regina.
Prerequisite: Algebra 30, Math B30 or AMTH 002 (Concurrent enrolment is allowed)

AMTH 091 3:3-2
Mathematics I
An introduction to algebra, this course is the first of two courses that meet the algebra requirement of courses at the University of Regina.
Prerequisite: University Admission to any Faculty

AMTH 092 3:3-2
Mathematics II
A continuation of Mathematics I, this course meets the algebra requirement of courses at the University of Regina.
Prerequisites: Foundations of Math 20 or Precalculus 20 or AMTH 091 or AMTH 001

ANTH Anthropology

Normally, ANTH 100 is regarded as a prerequisite to 200-level anthropology courses unless otherwise indicated. However, any student who, at the beginning of the second year, has declared a major in a field other than anthropology may seek approval from the head of the Anthropology Department to take any 200-level anthropology course without having taken ANTH 100. Students who obtain such approval will be responsible for any materials covered in ANTH 100 that are relevant to the course in question.

ANTH 100 3:3-1
Introduction to Anthropology
An introduction to the anthropological concept of culture, its uses in the explanation of human behaviour, and its impact on our understanding of human nature, language, and society. The course will explore cultural diversity through the comparative perspective that makes anthropology unique within the humanities and social sciences. It will also show how anthropologists analyse the connections between politics, economics, gender, kinship, and religion within particular cultures.

ANTH 202 3:3-0
Anthropology of Language
An introduction to the anthropological study of language. This course examines a variety of theories and methods for the study of the variable relations between language use and aspects of social life and of personhood, among them social organization, hierarchy, power, gender, sexuality, and subjectivity.
Prerequisite: ANTH 100 or a linguistics course

ANTH 203 3:3-0
Social Organization
An analysis of the political, economic, and ideological aspects of social organization, with particular emphasis on kinship, gender, and social stratification in non-industrialized societies.
Prerequisite: Any 100-level course in the social sciences

ANTH 230 3:3-0
Ethnography of Southeast Asia
This course surveys the rich cultural diversity of Southeast Asia, ranging from the head-hunting and opium-growing tribal hill peoples to Hindu/Buddhist and Islamic civilizations. The course will provide some historical background to the area, and cover such topics as social and political organization, gender, religion, and aesthetics.
Prerequisite: One course from ANTH 100, GEOG 100, any 100-level HIST course, INDG 100, PSCI 100 or SOC 100

ANTH 233 3:3-0
Ethnography of the Himalayas
This course surveys the Himalayas as a culture area, investigates the economic, social, and religious strategies of various Himalayan peoples, and traces the influences of Tibetan culture and Buddhism in the region. The course will provide historical and geographical overviews of the area.
***Prerequisite: One course from ANTH 100, GEOG 100, any 100-Level HIST course, INDG 100, PSCI 100, or SOC 100. ***

ANTH 237 3:3-0
Ethnography of Europe
This introductory course offers an overview of the ethnographic study of Europe since the 1950s. Different regions of the continent are examined through close reading of ethnographic writings concerned with gender, morality, social class, ethnic affiliation, and nationalist ideology.
Prerequisite: One course from ANTH 100, GEOG 100, any 100-level HIST course, INDG 100, PSCI 100 or SOC 100

ANTH 239 3:3-0
Ethnography of Amazonia
This course explores ethnographic and theoretical issues in the social anthropological study of indigenous Amazonian peoples. Privileged topics include the exploration of native understanding of sociality, cosmology, selfhood, morality and emotions. The course also addresses issues in regional history, social organization, and political and economic anthropology.
Prerequisite: One course from ANTH 100, GEOG 100, any 100-level HIST course, INDG 100, PSCI 100 or SOC 100

ANTH 240 3:3-0
Popular Culture
Taking an ethnographic approach, this introductory course examines representations of popular culture in mass media, music, film, advertising, consumer goods, and leisure. The course is particularly concerned with ways in which popular discourses and practices are implicated in the reproduction of, and resistance to, dominant values, norms and ideologies.
Prerequisite: One course from ANTH 100, GEOG 100, any 100-level HIST course, INDG 100, PSCI 100 or SOC 100

ANTH 241 3:3-0
Culture Area Studies - an AA-ZZ series.
Ethnology of the peoples of a selected culture area. Area to be announced.
Prerequisite: One course from ANTH 100, GEOG 100, any 100-level HIST course, INDG 100, PSCI 100 or SOC 100

ANTH 242 3:3-0
Culture Area Studies - an AA-ZZ series.
Ethnology of the peoples of a selected culture area. Area to be announced.
Prerequisite: One course from ANTH 100, GEOG 100, any 100-level HIST course, INDG 201, PSCI 100 or SOC 100

ANTH 247 3:3-0
Ethnography of Polynesia
This course surveys the cultures and societies of the islands of Polynesia. It investigates the region in historical perspective, including its place in the popular imagination of the West. Topics covered include social organization, cosmology, gender, art, tourism, globalization, and ethnicity.
Prerequisite: One course from ANTH 100, GEOG 100, any 100-level HIST course, INDG 100, PSCI 100, or SOC 100
Note: Formerly numbered ANTH 241AF. Students may count only one of ANTH 241AF or 247 for credit.

ANTH 248 3:3-0
Ethnography of New Guinea
This course explores the diverse cultures of Papua New Guinea and other parts of Melanesia. It will investigate such topics as social organization, gender roles, and exchange, and reveal anthropological insights into the practice of cannibalism, love magic, and sorcery.
Prerequisite: One course from ANTH 100, GEOG 100, any 100-level HIST course, INDG 100, PSCI 100, or SOC 100
*Note: Formerly numbered ANTH 241AG. Students may count only one of ANTH 241AG or 248 for credit. *

ANTH 302 3:3-0
Political Anthropology
Political power and process in cross-cultural perspective, including societies without specialized political institutions: analysis of the social organization of factionalism, dispute and violence, class and ethnic conflict, state formation, the colonial experience and political problems of emerging nations, legitimation, hegemony and ideology.
*** Prerequisite: ANTH 100 and any 200-level course in the social sciences***

ANTH 304 3:3-0
Anthropology of Gender
How different cultures make distinctions between female, male and other gender categories; cross-cultural variation in gender definitions and roles; how gender shapes and is shaped by other aspects of culture and society.
Prerequisite: ANTH 100 and any 200-level course in the social sciences

ANTH 306 3:3-0
Anthropology of Art
A cross-cultural and inter-cultural exploration of aesthetics. This course compares the role of art in our own society to aesthetic expressions in other societies. It will also explore connections between anthropology and modern art movements. Various aesthetic forms may be addressed, including visual and performing arts as well as architecture.
Prerequisite: Any 200-level course in the social sciences or art history

ANTH 307 3:3-0
Anthropology of Ritual
This course investigates ritual as a social event where participants convey key cultural values and meanings through symbolic action in "sacred" space and time. Using anthropological theory and ethnographic case studies, the course inquires into how religious belief, ethnic and national affiliation, class and gender, prestige and political power are reproduced and reconfigured in ritual practiced today in differing locales of the world.
Prerequisite: ANTH 100 and any 200-level course in the social sciences

ANTH 309 3:3-0
The Anthropology of Personhood
An exploration of diverse cultural understandings of personhood. This course will use cross-cultural ethnographies as well as a variety of Western accounts to address social practices and understandings of bodies, sex and gender, subjectivities, emotions, and self-consciousness. It will also address debates concerning agency, freedom, morality, and structure.
Prerequisite: ANTH 100 and any 200-level course in the social sciences

ANTH 310 3:3-0
Race, Ethnicity, and Nation
How anthropologists analyze notions of race, ethnicity, and nation as constructions of social difference and identity in the modern world. This course will critically explore the social processes that both naturalize and politicize issues of culture and group membership in modern nation states. It will also discuss how social scientific theories have been involved in these developments.
Prerequisite: ANTH 100 and any 200-level course in the social sciences

ANTH 320 1-3:3-0
Selected Topics in Anthropology - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates.
*** Prerequisite: Any 200-level course in the social sciences or permission of department head. ***

ANTH 333 3:3-0
Ethnographic Research
This course will explore how socio-cultural anthropologists do ethnographic fieldwork, and the methodological, epistemological, and ethical issues they encounter in such research. Topics covered may range from the technical aspects of participant observation, ethnographic interviewing, and the writing of field notes, to the broader issues of how a researcher's point of view and relation to the community under study influence the creation of ethnographic knowledge.
Prerequisite: One of ANTH 202, 203, 230-245, SOST 203, or permission of department head

ANTH 340 3:3-0
Anthropology and Contemporary Human Problems
The contribution of anthropological methods and principles to search for practical and ethical solutions to contemporary social and administrative problems involving intercultural communication and social change.
***Prerequisite: Any 200-level course in the social sciences or permission of department head. ***
*Note: ANTH 340 is not regularly offered. *

ANTH 343 3:3-0
Medical Anthropology
The comparative study of medical systems and how they interact with their social and cultural context, including such issues as the healer-patient relationship, the socio-cultural construction of health and illness, and medical pluralism.
Prerequisite: ANTH 100 and any 200-level course in the social sciences

ANTH 390 1-3:3-0
Directed Reading and Research - an AA-ZZ series.
Courses designed for individual students.

ANTH 401 3:3-0
Theory in Anthropology I
An examination of the major ideas and prominent figures in the development of anthropological thought. Although other eras will be covered, emphasis will be placed on the period from 1850 to 1950.
Prerequisite: ANTH 202 and 203 or permission of the course instructor

ANTH 402 3:3-0
Theory in Anthropology II
An overview of the principal schools of thought that have shaped the work of anthropologists since 1950.
Prerequisite: ANTH 202, 203, and 401 or permission of the course instructor
Note: Student can only receive credit for one of ANTH 402, ANTH 304, ANTH 400, ANTH 404, and ANTH 890AQ

ANTH 490 1-3:3-0
Directed Reading and Research - an AA-ZZ series.
Courses designed for individual students.

ANTH 496 1-3:3-0
Special Topics in Anthropology - an AA-ZZ series.
Courses designed as required for groups of students.

ANTH 498 3:3-0
Honours Thesis
An original exposition of a topic approved by the department.
Permission of the department head required to register

ANTH 499 3:3-0
Honours Thesis
An original exposition of a topic approved by the department.
Permission of the department head required to register

ARBC — Arabic

ARBC 111 3:0-1
Introductory Standard Arabic I
Introduction to the basic syntax and vocabulary of standard oral and written Arabic. Practice in pronunciation, conversation, reading and writing.
Prerequisite: No previous background in Arabic. Refer to the Department of International Languages section (How to choose a language) in the Undergraduate Calendar for details

ARBC 112 3:0-1
Introductory Standard Arabic II
Continuation of Standard Arabic I
Prerequisite: ARBC 111

ART — Art

The following courses are restricted to Visual Arts, Indigenous Art and Arts Education majors or permission of the department head.

ART 100 3:3-0
Introduction to Art
An introduction to the study of the visual arts. Lectures focus on contemporary art practices and objects, design elements, media and methods, and the meanings and contexts that inform the making and reception of art works. This is not a studio or an art history course.
Note: Students may not receive credit for both ART 100 and INA 100.

ART 220 3:3-0
Two-Dimensional Form
Through hands-on studio projects, you will draw, paint, use print media, photography, and intermedia processes to develop a working understanding of two-dimensional design principles.
Note: Students may not receive credit for both ART 220 and INA 220

ART 221 3:3-0
Three-Dimensional Design
Through hands-on studio projects, you will learn the principles, processes, and vocabulary of three-dimensional design. In addition, develop a practical understanding of sculpture, installation, site-specificity, performance, and socially engaged practices.
Note: Students may not receive credit for both ART 221 and INA 230

ART 223 3:3-0
Digital Photography
Learn to use software and hardware in creating works of contemporary art and gain familiarity with critical and conceptual processes and historical precedents within social and political contexts.
Note: Creative Technologies program option

ART 230 3:3-0
Introduction to Drawing
Learn basic drawing skills using a broad range of drawing media. Subjects include live models and studio props.
Note: ART 220 or INA 220 and ART 100 may be taken concurrently

ART 240 3:3-0
Introduction to Painting
Learn representational painting using traditional oil painting techniques.
***Prerequisite: ART 230 and ART 100 (ART 100 may be taken concurrently) or permission of department head. ***

ART 250 3:3-0
Introduction to Sculpture
An exciting opportunity to explore studio processes, concepts and history relating to three-dimensional form. Focussed through the lens of contemporary sculptural practices, students will develop hands-on experience with a variety of media.

ART 260 3:3-0
Introduction to Ceramics
Studio course introducing the material of clay within the context of contemporary ceramics practices. Students will learn basic making techniques, focusing on hand-building and will also be exposed to the potter?s wheel, glazing, kiln loading and firing.
Pre-requisite: ART 100 (may be taken concurrently) or permission of department head

ART 270 3:3-0
Introduction to Print Media
A studio course that aims to foster a broad understanding of artistic printed media through exposure to a variety of studio techniques and assignments, complemented by demonstrations and discussions of printmaking's historical and social importance. Intaglio, plate lithography and hybrid digital processes will be introduced.
Prerequisite: ART 100 (may be taken concurrently) or permission of department dead.

ART 290 0-6:6-0
Selected topics in Visual Arts - an AA - ZZ series
This series of courses is designated selected topics courses within the Department of Visual Arts.

ART 322 3:3-0
Photo-Conceptualism
Students in this intermediate course will explore conceptual approaches to contemporary studio research and art making using photo-based media. The course includes self-directed and assigned studio work, individual and group critiques.
Pre-requisite: ART 223 or permission of department head

ART 323 3:3-0
Digital Photo in Contemporary Art
Students work on contemporary art projects (independent and directed) with instructor supervision exploring the creative and technological possibilities of working in digital photographic media. A range of contemporary art approaches to traditional photographic genres may be explored, including the pictorial, abstract, landscape, documentary, conceptual, figuration, and still life.
Pre-requisite: ART 223 or permission of department head

ART 324 3:3-0
Photo Pictorialism and Depiction
This intermediate level course challenges students to create contemporary photo-based art works that explore the very different approaches of Pictorialism (a movement tied to making photos look more like the high art forms) and depiction (an attitude towards staged image making).
Pre-requisite: ART 223 or permission of department head

ART 325 3:3-0
Prairie Landscape Photography
The landscape is particularly resonant subject matter in the prairies and has influenced generations of artists in Saskatchewan. This intermediate level course explores a range of seasonally guided approaches to creating contemporary art using photography and the landscape as subject matter.
Pre-requisite: ART 223 or permission of department head

ART 326 3:3-0
Alternative Photographic Processes
Working with the sun and digitally created negatives, students will create contemporary works of art through the exploration of alternative and historical photographic processes including, amongst a wide range of possibilities, Van Dyke Brown, Cyanotype, and Pinhole photography.
Pre-requisite: ART 223 and FILM 205 or permission of department head

ART 332 3:3-0
Drawing the Human Form
This course focuses on the human body and includes various approaches to figure drawing. Observational drawing skills will be developed through live models, skeletons, photographs, and other sources. Examination of the drawings of historic and contemporary artists will take place as will individual and group critiques.
Pre-requisite ART 230 or permission of department head

ART 333 3:3-0
From Idea to Finished Drawing
This course takes ideas and turns them into finished drawings. Several projects will guide students through the development of ideas from initial stages to finished drawings. Examination of the drawings of historic and contemporary artists will take place as will individual and group critiques.
Pre-requisite ART 230 or permission of department head

ART 334 3:3-0
Expressive Drawing
Through guided exercises, students will try out various drawing approaches, styles, media and scale to find those that best suit their expressive intentions. Text, colour, and various papers will be explored. Examination of the drawings of historic and contemporary artists will take place as will individual and group critiques.
Pre-requisite ART 230 or permission of department head

ART 335 3:3-0
Alternative Drawing
Neither paper or rectangular formats will be used in this course. Projects will encourage exploration of media on a wide range of supports ranging from wood, ceramic, plastic, metal, sand and snow. Examination of the drawings of historic and contemporary artists will take place as will individual and group critiques.
Pre-requisite ART 220 and ART 230

ART 336 3:3-0
Drawing Media and Process
This course offers in-depth exploration into a wide range of drawing media including graphite, charcoal, conte, pen and ink and ink wash. Both conventional and contemporary drawing processes will be explored. Examination of the drawings of historic and contemporary artists will take place as will individual and group critiques.
Pre-requisite ART 230 or permission of department head

ART 337 3:0-0
Visual Storytelling
An introductory studio course on the techniques of visual story telling, including graphic novels and artists' books.
Prerequisite: Art 220 or permission of department head. Students who are taking or who have taken AP or IB Art or Grade 12 Art may request permission to register in this course.
Note: Students may only receive credit for one of ART 396AB or ART 337
Note: Pop Culture Option

ART 341 3:3-0
Painting and Colour
This course offers an in-depth examination of colour. Projects will focus on expressive possibilities and the development of an individual palette. Both object-based and non-objective painting will be explored. Group and individual critiques and discussions will be ongoing as will investigation into the work of historic and contemporary painters.
Pre-requisite ART 240 or permission of department head

ART 342 3:3-0
Expressive Painting
Explore brushwork and colour as expressive elements of painting. Projects will involve the figure and other image-based subjects, as well as abstraction and non-objective painting. Group and individual critiques and discussions will be ongoing as will investigation into the work of historic and contemporary painters.
Pre-requisite ART 240 or permission of department head

ART 343 3:3-0
Painting the Human Form
This course focuses on the human body and includes various approaches to portrait and figure painting. Skills will be developed through projects engaging live models, skeletons, photographs, and other sources. Examination of the paintings of historic and contemporary artists will take place as will individual and group critiques.
Pre-requisite ART 240 or permission of department head

ART 344 3:0-0
Representational Painting
Students develop representational painting skills through still-life painting and by working from photographs. Students also develop research and critical skills by studying contemporary and historical art works, through discussion, and group critiques.
Pre-requisite: ART 240 or permission of department head.

ART 351 3:3-0
Sculptural Materials and Ideas
A variety of approaches to contemporary sculptural practices will be explored. Students will move through a series of informative and engaging projects designed to challenge and enlighten. Materials and processes will vary and may include: DIY, advanced fabrication (wood and metal), modelling, casting, soft sculpture or contemporary crafting.
Pre-requisite: ART 250 and or permission of department head

ART 352 3:3-0
Lost Wax Bronze Casting
Learn a process discovered over 4000 years ago. Each step necessary in creating a finished bronze sculpture will be taught in this class. Re-live the processes that shaped many of the iconic works of the High Renaissance and the Classical Era with a modern twist.
Pre-requisite: ART 250 or permission of department head

ART 353 3:3-0
Multiples and Mould Making
Why make one when you can make a bunch? Learn the nitty-gritty of multiples and mould making. Discover the secrets of reproducing originals exactly, including the human body. Or take originals and cut and paste to create something new. Flexible moulds, plaster, plastics and alternative materials will be explored.
Pre-requisite: ART 250 or permission of department head

ART 354 3:3-0
Diarama
Explore the box. Learn basic skills that will take your ideas a long way. Explore narrative based art making using small handmade boxes, individual crafted items and relevant and fitting found materials.
Pre-requisite: ART 250 or permission of department head

ART 355 3:3-0
Installation Art
A variety of exciting and diverse approaches to contemporary Installation Art will be explored. Re-examine the artist?s relationship to the gallery, move beyond the confines of the classroom and interact directly with public/private spaces, build your own custom tailored environment or redefine space all together.
Pre-requisite: Permission of department head

ART 356 3:0-0
Lost Wax Processes
In preparation for ART 357 Bronze Casting, students will learn the initial steps to creating a work of art ready for bronze casting. Armatures, modelling, specialized mould-making and wax working will be covered. Relive processes that shaped the High Renaissance and Classical Era with a modern twist.
Prerequisite ART 250, or Permission of department head.

ART 357 3:0-0
Bronze Casting
Students will learn a process invented over 4000 years ago. Utilizing wax pieces created in ART 356, this class will focus on the next steps in bronze casting: investment moulds, kiln firing, pit pouring, bronze casting, welding, and patination.
Prerequisite: ART 356 or permission of department head.

ART 361 3:3-0
Contemporary Ceramic Processes
Students will further develop some of the making skills and knowledge about contemporary ceramics practices introduced in Art 260. Through making ceramic works there will be an emphasis on learning to glaze, fire various kilns, and make your own clay. Relationships between ceramics processes and creative content will be investigated.
***Pre-requisite ART 260 or permission of department head ***

ART 362 3:3-0
Contemporary Ceramic Multiples
Students will further develop some of the making skills and knowledge about contemporary ceramics practices introduced in Art 260. Through creative and experimental approaches to repetition and variation, students will have the opportunity to develop functional, sculptural and/or installation projects in wheel throwing, press-molding, slip casting, and various hand-building techniques.
Pre-requisite ART 260 or permission of department head

ART 363 3:0-0
Kiln Firing and Surfaces
Students will learn how to fire kilns, test and make glazes, produce other surface treatments, and make work that deepens skills and knowledge introduced in ART 260. Relationships between creative content, surface treatment, and firing processes will be investigated.
Pre-requisite: ART 260 or permission of the department head

ART 364 3:0-0
Experimental Ceramics
Students will explore ceramic-based experimental and multimedia practices. Building on skills and knowledge introduced in ART 260, students will undertake research, invention, and innovation in relation to both conventional and unconventional contexts and techniques of contemporary ceramics.
Pre-requisite: ART 260 or permission of the department head

ART 365 3:0-0
Ceramics: Size Matters
Students will deepen skills and knowledge of ceramics practices introduced in ART 260 with an emphasis on considerations of scale, including the miniature and gigantic.
Pre-requisite: ART 260 or permission of the department head

ART 366 3:0-0
Ceramics: The Wheel
Students will develop the skill of throwing on the potter?s wheel and will consider its uses as a tool for making within a range of ceramics contexts - from the traditional through the experimental. Relationships between technique, design, aesthetics, and creative content will be investigated.
Pre-requisite: ART 260 or permission of the department head

ART 371 3:3-0
Silkscreen and Stone
Drawing from opposite ends of the technological and historical spectrum, this intermediate level course introduces UV Silkscreen and Stone Lithography as means to develop and refine critical and aesthetic approaches to studio printmaking.
Pre-requisite ART 270 or permission of department head

ART 372 3:3-0
Lines and Letters
This intermediate level course examines aesthetic and conceptual implications of ink above and below the level of the printing matrix, through advanced instruction in Intaglio and Letterpress printmaking.
***Pre-requisite ART 270 or permission of department head ***

ART 389 3:0-0
Independent Studio - an AA-ZZ series
Selected Topics at the Intermediate Level
Individual research in studio art under the direction of an instructor.
Prerequisite: department head Permission

ART 390 1-6:6-0
Directed Study - an AA-ZZ series.
Electives can be taken in third and fourth year concurrently. Individual research in specific disciplines under the direction of an instructor chosen by the student.

ART 391 1-6:6-0
Directed Study - an AA-ZZ series.
Electives can be taken in third and fourth year concurrently. Individual research in specific disciplines under the direction of an instructor chosen by the student.

ART 392 1-6:6-0
Directed Study - an AA-ZZ series.
Electives can be taken in third and fourth year concurrently. Individual research in specific disciplines under the direction of an instructor chosen by the student.

ART 393 1-6:6-0
Directed Study - an AA-ZZ series.
Electives can be taken in third and fourth year concurrently. Individual research in specific disciplines under the direction of an instructor chosen by the student.

ART 394 1-6:6-0
Directed Study - an AA-ZZ series.
Electives can be taken in third and fourth year concurrently. Individual research in specific disciplines under the direction of an instructor chosen by the student.

ART 395 1-6:6-0
Directed Study - an AA-ZZ series.
Electives can be taken in third and fourth year concurrently. Individual research in specific disciplines under the direction of an instructor chosen by the student.

ART 396 1-6:6-0
Selected Topics - an AA-ZZ series.
Course designed as required for groups of senior undergraduates.

ART 397 1-6:6-0
Selected Topics - an AA-ZZ series.
Course designed as required for groups of senior undergraduates.

ART 398 1-6:6-0
Selected Topics - an AA-ZZ series.
Couses designed as required for groups of senior undergraduates.

ART 399 1-6:6-0
Selected Topics - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates.

ART 400 3:3-0
Professional Issues I
Hands on skill development and practical information about art as a profession.*
*** Permission of the department head is required to register. ***
*Note: Graduating year of BFA. *

ART 401 3:3-0
Exhibition Preparation
Continued discussion of professional issues, practices, and preparation of graduating exhibition/project and artist statement. Guest lectures and group critiques.
***Prerequisite: ART 400 ***

ART 416 3:0-0
Senior Group Studio
Students may work in multiple mediums under the guidance of more than one professor and in a community of student artists. This does not restrict students from choosing to work in a single media.
Prerequisite: 9 credit hours of ART 300 level courses

ART 417 3:0-0
Senior Group Studio
Students may work in multiple mediums under the guidance of more than one professor and in a community of student artists. This does not restrict students from choosing to work in a single media.
Prerequisite: 9 credit hours of ART 300 level courses

ART 418 3:0-0
Senior Group Studio
Students may work in multiple mediums under the guidance of more than one professor and in a community of student artists. This does not restrict students from choosing to work in a single media.
Prerequisite: 9 credit hours of ART 300 level courses

ART 419 3:0-0
Senior Group Studio
Students may work in multiple mediums under the guidance of more than one professor and in a community of student artists. This does not restrict students from choosing to work in a single media.
Prerequisite: 9 credit hours of ART 300 level courses

ART 422 3:3-0
Senior Photography I
Students in this senior-level photography course will build upon the skills and concepts developed at the intermediate level. Through specific demonstrations and lectures, Students will further develop their photography practice through independent and directed studio work, demonstrations, lectures, and critiques.
Prerequisite: A minimum of 9 credit-hours of 300-level studio courses including ART 322, ART 390AI, or FILM 311

ART 423 3:0-0
Senior Photography II
Students in this senior-level photography course will be actively engaged in independent photography practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 422

ART 424 3:3-0
Senior Photography III
Students in this senior-level photography course will be actively engaged in independent photography practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 423

ART 425 3:3-0
Senior Photography IV
Students in this senior-level photography course will be actively engaged in independent photography practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 424

ART 426 3:3-0
Senior Photography V
Students in this senior-level photography course will be actively engaged in independent photography practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 425

ART 430 3:3-0
Senior Drawing I
Students in this senior-level drawing course will build upon the skills and concepts developed at the intermediate level. Students will be actively engaged in independent drawing practice through directed studio work, specific demonstrations and lectures, individual and group critiques, and other relevant activities.
Pre-requisite: 9-credit hours of 300-level studio courses including 6-credit hours from ART 332, 333, 334, 335, 336 and 337, or permission of the department head.

ART 431 3:0-3
Senior Drawing II
Students in this senior-level drawing course will continue to develop their independent drawing practices through directed studio work, specific demonstrations and lectures, individual and group critiques, and other relevant activities, with increasing self-direction.
Pre-requisite: ART 430

ART 432 3:0-3
Senior Drawing III
Students in this senior-level drawing course will continue to develop their independent drawing practices through directed studio work, specific demonstrations and lectures, individual and group critiques, and other relevant activities, with increasing self-direction.
Pre-requisite: ART 431

ART 433 3:0-3
Senior Drawing IV
Students in this senior-level drawing course will continue to develop their independent drawing practices through directed studio work, specific demonstrations and lectures, individual and group critiques, and other relevant activities, with increasing self-direction.
Prerequisite: ART 432

ART 434 3:0-3
Senior Drawing V
Students in this senior-level drawing course will continue to develop their independent drawing practices through directed studio work, specific demonstrations and lectures, individual and group critiques, and other relevant activities, with increasing self-direction.
Prerequisite: ART 433

ART 440 3:3-0
Senior Painting I
Students in this senior-level painting course will build upon the skills and concepts developed at the intermediate level. Through specific demonstrations and lectures, Students will further develop their painting practice through independent and directed studio work, demonstrations, lectures, and critiques.
Prerequisite: 9-credit hours of 300-level studio courses including 6-credit hours from ART 341, 342, and 343, or permission of the department head.

ART 441 3:0-3
Senior Painting II
Students in this senior-level painting course will be actively engaged in independent painting practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 440

ART 442 3:0-3
Senior Painting III
Students in this senior-level painting course will be actively engaged in independent painting practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 441

ART 443 3:0-3
Senior Painting IV
Students in this senior-level painting course will be actively engaged in independent painting practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 442

ART 444 3:3-0
Senior Painting V
Students in this senior-level painting course will be actively engaged in independent painting practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 443

ART 450 3:3-0
Senior Sculpture I
Students in this senior-level sculpture course will build upon the skills and concepts developed at the intermediate level. Through specific demonstrations and lectures, Students will further develop their sculpture practice through independent and directed studio work, demonstrations, lectures, and critiques.
Prerequisite: 9-credit hours of 300-level studio courses including 6-credit hours from ART 351, 352, 353, 354, and 355, or permission of the department head.

ART 451 3:0-3
Senior Sculpture II
Students in this senior-level sculpture course will be actively engaged in independent sculpture practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 450

ART 452 3:0-3
Senior Sculpture III
Students in this senior-level sculpture course will be actively engaged in independent sculpture practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 451

ART 453 3:0-3
Senior Sculpture III
Students in this senior-level sculpture course will be actively engaged in independent sculpture practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 452

ART 454 3:3-0
Senior Sculpture IV
Students in this senior-level sculpture course will be actively engaged in independent sculpture practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 453

ART 460 3:3-0
Senior Ceramics I
Students in this senior-level ceramics course will build upon the skills and concepts developed at the intermediate level. Through specific demonstrations and lectures, Students will further develop their ceramics practice through independent and directed studio work, demonstrations, lectures, and critiques.
Prerequisite: 9-credit hours of 300-level studio courses including ART 361 and 362, or permission of the department head.

ART 461 3:0-3
Senior Ceramics II
Students in this senior-level ceramics course will be actively engaged in independent ceramics practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 460

ART 462 3:0-3
Senior Ceramics III
Students in this senior-level ceramics course will be actively engaged in independent ceramics practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 461

ART 463 3:0-3
Senior Ceramics IV
Students in this senior-level ceramics course will be actively engaged in independent ceramics practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 462

ART 464 3:3-0
Senior Ceramics V
Students in this senior-level ceramics course will be actively engaged in independent ceramics practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 463

ART 470 3:3-0
Senior Print Media I
Students in this senior-level print media course will build upon the skills and concepts developed at the intermediate level. Through specific demonstrations and lectures, Students will further develop their print media practice through independent and directed studio work, demonstrations, lectures, and critiques.
Prerequisite: 9-credit hours of 300-level studio courses including ART 371 and ART 372, or permission of the department head.

ART 471 3:0-3
Senior Print Media II
Students in this senior-level print media course will be actively engaged in independent print media practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 470**

ART 472 3:0-3
Senior Print Media III
Students in this senior-level print media course will be actively engaged in independent print media practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 471**

ART 473 3:0-3
Senior Print Media IV
Students in this senior-level print media course will be actively engaged in independent print media practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 472**

ART 474 3:3-0
Senior Print Media V
Students in this senior-level print media course will be actively engaged in independent print media practice through directed studio work, individual and group critiques, lectures, and other relevant activities.
Prerequisite: ART 473

ART 490 1-6:6-0
Directed Study - an AA-ZZ series.
Electives can be taken in third and fourth year concurrently. Individual research in specific disciplines under the direction of an instructor chosen by the student**.**

ART 491 1-6:6-0
Directed Study - an AA-ZZ series.
Electives can be taken in third and fourth year concurrently. Individual research in specific disciplines under the direction of an instructor chosen by the student**.**

ART 492 1-6:6-0
Directed Study - an AA-ZZ series.
Electives can be taken in third and fourth year concurrently. Individual research in specific disciplines under the direction of an instructor chosen by the student**.**

ART 493 1-6:6-0
Directed Study - an AA-ZZ series.
Electives can be taken in third and fourth year concurrently. Individual research in specific disciplines under the direction of an instructor chosen by the student**.**

ART 494 1-6:6-0
Directed Study - an AA-ZZ series.
Electives can be taken in third and fourth year concurrently. Individual research in specific disciplines under the direction of an instructor chosen by the student**.**

ART 495 1-6:6-0
Directed Study - an AA-ZZ series.
Electives can be taken in third and fourth year concurrently. Individual research in specific disciplines under the direction of an instructor chosen by the student.

ART 496 1-6:6-0
Selected Topics - an AA-ZZ series.
Course designed as required for groups of senior undergraduates.

ART 497 1-6:6-0
Selected Topics - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates.

ART 498 1-6:6-0
Selected Topics - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates.

ART 499 1-6:6-0
Selected Topics - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates.

ARTH — Art History

ARTH 100 3:3-0
Introduction to Art History
A survey of visual culture from prehistoric times to the present.

ARTH 201 3:3-0
Prehistoric and Ancient Art
A survey of selected works of art and architecture from the prehistoric to the end of the Roman period. Various forms of visual communication will be discussed in relation to their social context and in relation to the theoretical and contemporary issues (the "western" tradition of art, race, gender, class, body imagery, visual propaganda, etc.).

ARTH 202 3:3-0
Medieval Art History
Medieval art from the early Christian ear to the end of the high Gothic style in Europe.

ARTH 204 3:3-0
Modern Art and the "Shock of the New"
Explore renowned and provocative objects and ideas?from art works and concepts that challenged the official Academy, and revolutionized conventions of representation to non-objective art. Discover fascinating stories, key works, and iconic figures, from the 1880s to the 1960s.
Note: Cultures of Display Option

ARTH 210 3:3-0
Cultures of Display
This course introduces themes related to cultures of display which include marginality, representation and broader historical forms in an art historical context. Concepts related to curation will be advanced.
Note: Cultures of Display Option

ARTH 211 3:0-0
Introduction to Museum Display
Which values, traditions, and ideas regulate the public collecting and display of art? How do museums, galleries, and other institutions shape their visual messages? By investigating theoretical approaches, exploring professional practices, and engaging with hands-on experience, you will be introduced to fundamental notions regulating the museum profession.
Note: Students may only receive credit for one of ARTH 211 and ARTH 380AB
Note: Cultures of Display Option

ARTH 212 3:3-0
Renaissance Art and Architecture
A survey of the artistic production of Italy and Europe from around 1300 to 1600, focusing especially on artistic exchanges among prominent centres, workshop practices, and on the role of images for the formation of identities in different societal contexts.

ARTH 213 3:3-0
Seventeenth Century Art and Architecture
This course examines the art and architecture of the seventeenth century in Europe, concluding with the early eighteenth century. The course examines structures of patronage, especially in connection with European court societies, and artistic exchanges among international centres.
Note: Cultures of Display Option

ARTH 214 3:3-0
18th Century Art and Architecture
This course examines the visual culture of Europe and North America during the eighteenth century, exploring issues such as the Grand Tour, the role of portraiture, the relations between arts and politics, the emergence and role of art institutions, as well as patronage, collecting, and the consumption of luxury goods.
Note: Cultures of Display Option

ARTH 222 3:3-0
Critical Histories of Photography
The aim of this course is to understand the technical and creative aspects of photography organized in a semi-chronological manner in relation to thetheoretical interpretations, beginning with ancient uses of the camera obscura, leading up to digital media in contemporary times.
Note: Cultures of Display Option
Note: Creative Technologies Program Option

ARTH 230 3:0-0
Art History Across Cultures
How did explorations, art market(s), travels, diplomatic exchanges influence artistic production, taste, and collecting? This course investigates material and artistic exchanges across cultures and casts light on how encounters among diverse societies and the constant circulation of objects have impacted on art and visual culture.
Note: Students may only receive credit for one of ARTH 230 and ARTH 390AF
Note: Cultures of Display Option

ARTH 270 3:3-0
Traditional Arts of Asia
This course is a survey of the thought in relation to the traditional arts of Asia (India, China and Japan), encompassing arts of Buddhism, calligraphy, ink painting, sculpture, Zen gardens, etc.

ARTH 280 3:3-0
History of Ceramics
Cross-cultural perspectives on ceramics, examining ceramics traditions in various cultures, mainly the West and Asia.

ARTH 2903:3-0
Selected Topics in Art History - an AA-ZZ series.
Varying topics in art history for undergraduates.

ARTH 301 3:3-0
Art Theory and Art Criticism
History and practice of critical thought, from the classical notion of beauty to contemporary concerns related to the body, power, race, gender, etc. Students will be introduced to conceptual tools and vocabulary of Marxism, semiotics, psychoanalysis and deconstruction.
***Prerequisite: 30 credit hours of completed course work or permission of department head. ***

ARTH 302 3:3-0
For the Love of It: Collecting in Context
This course examines histories, theories, and practices of collecting and display. Topics will range from the early modern period to contemporary museums and include: private collecting, cross-cultural collecting, the birth of modern museums, the way in which museums display art, the state and the individual, custodianship and provenance.
Prerequisite: Completion of 30 credit hours or permission of department head
Note: Cultures of Display Option

ARTH 313 3:0-0
Art and its Business
This course investigates selected topics in art and culture, such as the economic lives of artists, histories of patronage, the art market, wonder and curiosity, print culture and popular culture, artistic techniques, the body, and portraiture and identity.
Note: Cultures of Display Option

ARTH 314 3:3-0
Postmodernism and Institutional Critique
Explore an array of ideas and art practices from the 1960s to the present that challenge Modernism?s universalism. Conceptions of institutional critique and an explosion of new media and performance art practices inform this cultural turn.
Prerequisite: Completion of 30 credit hours or permission of department head

ARTH 320 3:3-0
Visual Culture of Women
This course examines the visual culture of women in relation to crafts, the major arts of painting and sculpture, performance art and new media. Especially important to this study is the changes in women's visual culture since the rise of the feminist movements in the world.
Prerequisite: Completion of 30 credit hours or permission of department head
Note: Cultures of Display Option

ARTH 324 3:3-0
Canadian Art and Cultural Identity
Art in Canada from the colonial period to the present. Students will be introduced to issues of culture, ethnicity and gender, in relation to the Canadian context.
***Prerequisite: Completion of 30 credit hours or permission of Deparment Head. ***

ARTH 340 3:3-0
Contemporary Indigenous Art and Colonialism
This course examines provocative issues and themes related to colonialism and decolonization as reflected in contemporary Indigenous art practices in Canada and in global contexts.
Prerequisite: Completion of 30 credit hours or permission of department head
Note: Cultures of Display Option

ARTH 350 1-6:6-0
Special Seminar
The study of various fields of the history of art involving visits to major art museums and required individual research by participating students. Conducted by members of the faculty.
***Prerequisite: Any 200-level art history course or permission of department head ***

ARTH 360 3:0-0
Curating the New
This course offers students a practical course where theoretical concepts related to the display, curation, and engagement with time-based and new art processes are put into practice in gallery, museum, or site-specific contexts.
Note: Cultures of Display option

ARTH 370 3:3-0
Modernity and the Arts of East Asia
This course surveys the impact of modernity on the visual culture (painting, comics, films, and animation) of East Asia and its diaspora, touching on issues such as ethnic identity, regionalism, nation, Orientalism and postmodernism.
***Prerequisite: Completion of 30 credit hours or permission of department head. ***

ARTH 371 3:3-0
Japanese Art
A survey of Japanese art from prehistoric times to the present.
***Prerequisite: Completion of 30 credit hours or permission of department head. ***

ARTH 372 3:3-0
Cross-Cultural Perspectives on Painting
Cross-cultural perspectives on painting, examining the meaning of painting in various cultures, mainly the West and Asia.
***Prerequisite: Completion of 30 credit hours or permission of department head. ***

ARTH 375 3:3-0
Narrative Art of Japan
Storytelling with pictures is an ancient art in Japan that continues up to the present day. This course examines the rise of narrative handscrolls in the ancient period to the rise of picture books in the early modern period to manga and anime in contemporary times
***Prerequisite: Completion of 30 credit hours or permission of department head. ***

ARTH 380 3:3-0
Select Topics in Art History - an AA-ZZ series.
Varying topics in art history. Courses will be designed as required for groups of senior undergraduates.

ARTH 381 3:3-0
Select Topics in Art History - an AA-ZZ series.
Varying topics in art history. Courses designed as required for groups of senior undergraduates.

ARTH 382 3:3-0
Select Topics in Art History - an AA-ZZ series.
Varying topics in art history. Courses designed as required for groups of senior undergraduates.

ARTH 383 3:3-0
Select Topics in Art History - an AA-ZZ series.
Varying topics in art history. Courses designed as required for groups of senior undergraduates.

ARTH 384 3:3-0
Select Topics in Art History - an AA-ZZ series.
Varying topics in art history. Courses designed as required for groups of senior undergraduates

ARTH 385 3:3-0
Select Topics in Art History - an AA-ZZ series.
Varying topics in art history. Courses designed as required for groups of senior undergraduates.

ARTH 386 3:3-0
Select Topics in Art History - an AA-ZZ series.
Varying topics in art history. Courses designed as required for groups of senior undergraduates.

ARTH 387 3:3-0
Select Topics in Art History - an AA-ZZ series.
Varying topics in art history. Courses designed as required for groups of senior undergraduates.

ARTH 388 3:3-0
Select Topics in Art History - an AA-ZZ series.
Varying topics in art history. Courses designed as required for groups of senior undergraduates.

ARTH 389 3:3-0
Select Topics in Art History - an AA-ZZ series.
Varying topics in art history. Courses designed as required for groups of senior undergraduates.

ARTH 390 1-6:3-0
Directed Study - an AA-ZZ series.
Directed history of art studies under the supervision of an instructor of the student's choice.

ARTH 391 1-6:6-0
Directed Study - an AA-ZZ series.
Directed studies in history of art under the supervision of an instructor of the student's choice.

ARTH 392 1-6:6-0
Directed Study - an AA-ZZ series.
Directed studies in history of art under the supervision of an instructor of the student's choice.

ARTH 393 1-6:6-0
Directed Study - an AA-ZZ series.
Directed studies in history of art under the supervision of an instructor of the student's choice.

ARTH 394 1-6:6-0
Directed Study - an AA-ZZ series.
Directed studies in history of art under the supervision of an instructor of the student's choice.

ARTH 395 1-6:6-0
Directed Study - an AA-ZZ series.
Directed studies in history of art under the supervision of an instructor of the student's choice.

ARTH 396 6:0-3
Internship - an AA-ZZ series.
Supervised internship with an academic component.
** Senior standing and qualifying scholarship record and permission of the department head are required to register. **

ARTH 410 3:3-0
Exhibiting Culture
Museums and galleries shape the messages, perspectives and values that museums and galleries communicate to viewers. This seminar addresses theoretical and practical concepts related to cultures of display and issues of curation.
Prerequisite: ARTH 210 and one 300-level course in Art History or permission of department head
Note: Cultures of Display Option

ARTH 440 3:3-0
Curatorial Strategies and Applications
This seminar offers students a practical course where theoretical concepts related to cultures of display and curation are put into practice in a a gallery setting. This course allows students to develop specific skills for working in a gallery or museum setting.
Prerequisite: ARTH 210 and one 300-level course in Art History, or permission of the department head
Note: Cultures of Display Option

ARTH 465 3:3-0
Childbirth and Infancy in 18th Century Visual Culture
This course examines societal, cultural and ideological shifts in notions of childhood and infancy that occurred during the Eighteenth Century through artistic representations, including portraiture, scientific illustrations, curiousities, engravings and popular prints. The focus is on work produced in Britain, with comparisons to painting from eighteenth-century Europe.
Prerequisite: A 300-level course in Art History or permission of department head

ARTH 490 0-6:6-0
Directed Study - an AA-ZZ series.
Directed history of art studies under the supervision of an instructor of the student's choice.

ARTH 491 0-6:3-0
Directed Study - an AA-ZZ series.
Diirected studies in history of art under the supervision of an instructor of the student's choice.

ARTH 492 0-6:3-0
Directed Study - an AA-ZZ series.
Directed studies in history of art under the supervision of an instructor of the student's choice.

ARTH 493 0-6:3-0
Directed Study - an AA-ZZ series.
Directed studies in history of art under the supervision of an instructor of the student's choice.

ARTH 494 0-6:3-0
Directed Study - an AA-ZZ series.
Directed studies in history of art under the supervision of an instructor of the student's choice.

ARTH 495 0-6:3-0
Directed Study - an AA-ZZ series.
Directed studies in history of art under the supervision of an instructor of the student's choice.

ARTS Arts

ARTS 001 0-1:0-0
Arts Co-op Work Term
Four-month, not for credit, Co-op work term approved by the Faculty and arranged by the co-op coordinator.
Prerequisite: Acceptance into the Arts Co-operative Education Program
Permission of the Co-op Coordinator is required to register
Note: This course is graded on a pass/fail basis

ARTS 002 0-1:0-0
Arts Co-op Work Term II
Four-month, not for credit, Co-op work term approved by the Faculty and arranged by the co-op coordinator.
Prerequisite: Acceptance into the Arts Co-operative Education Program
Permission of the Co-op Coordinator is required to register
Note: This course is graded on a pass/fail basis

ARTS 003 0-1:0-0
Arts Co-op Work Term III
Four-month, not for credit, Co-op work term approved by the Faculty and arranged by the co-op coordinator.
Prerequisite: Acceptance into the Arts Co-operative Education Program
Permission of the Co-op Coordinator is required to register
Note: This course is graded on a pass/fail basis

ARTS 004 0:0-0
Arts Co-op Work Term IV
Four-month, not for credit, Co-op work term approved by the Faculty and arranged by the co-op coordinator.
Prerequisite: Acceptance into the Arts Co-operative Education Program
Permission of the Co-op Coordinator is required to register
Note: This course is graded on a pass/fail basis

ARTS 099 0:0-0
Academic Integrity
This course is designed to help students learn about academic integrity, thereby positioning them to succeed in undergraduate studies. The information in this course is applicable for all subject and research areas and any level of study.
Note: This course must be completed during the first term in which students register with the Faculty of Arts (through Campion College, Luther College, the First Nations University of Canada, or the University of Regina). Students must register themselves into this class. If they do not do so, they will be registered in the class and still required to complete it on-time.
Note: This course is offered on a Pass/Fail basis.
Note: Students who fail, or do not attempt, this class during their first term of studies will have a hold preventing further registration until such time a passing grade is earned.

ARTS 300 12-15:15-0
Washington Center Internship
Student internship at the Washington Center. Students will be selected to receive government scholarships to undertake internships through the Washington Center. Students will intern with appropriate government agencies, businesses and NGOs in Washington, D.C., and participate in educational and civic engagement activities specified by the Washington Center. ***Prerequisite: Permission of International Advisory Committee***

ARTS 301 6:0-0
AIESEC Global Internship
Interns will participate in programs involving Entrepreneurship, Cultural Awareness and Literacy in Brazil, Colombia, Mexico and Argentina.
Prerequisite: Permission of International Advisory Committee

ASTR Astronomy

ASTR 101 3:3-1.5
Introduction to Astronomy
Emphasis is placed on the role of observation in the evolution of our theories about the origins of the solar system, and of the size and structure of the universe.

ASTR 201 3:3-1.5
Solar System Astronomy
This course is concerned with the description of the fundamental properties of our solar system. Topics will include: planetary interiors, surface structures and atmospheres, asteriods, comets and meteorites, and the formation of planetary systems.
***Prerequisite: ASTR 101 ***

ASTR 202 3:3-1.5
Stars and Galaxies
This course is concerned with the properties of the stars and galaxies. Topics will include: observational methods, stellar populations, stellar evolution, galactic structure, and the large-scale structure of the universe.
***Prerequisite: ASTR 101 ***

AWEI Arts Work Experience Internship

AWEI 300 3:3-0
Arts Work Experience Internship - an AA-ZZ series.
The Arts Work Experience Internship consists of a thirteen-week part-time placement at a host organization partner, in which the student intern performs work on designated projects.
Permission by the AWEI Selection Committee is required to register.

Note: Students must fill out the Workers' Compensation Agreement form prior to going on Internship.
Note: More information and internship postings can be found at: http://www.uregina.ca/arts/WEIP/.

BIOC	Biochemistry

BIOC 200 3:3-3
Medicinal Plants and Culture
The course will introduce students to key indigenous bioactive (medicinal) plants, their biologically active compounds, and their importance in Indigenous culture. The class will use multidisciplinary and cross-cultural approaches to understanding plants and their medicinal properties.
Prerequisite: 30 credit hours and one of the following courses at the 100 level: Anthropology, Biology, Chemistry, English, Indigenous Studies, or Psychology.
*Note: Biochemistry, Biology and Chemistry students can use this course in their program as an elective only. *

BIOC 220 3:3-3
Biochemistry I - Biomolecules
This course is intended to offer an introduction to the world of Biochemistry. The course deals with the structure, properties, and significance of the major groups of biochemical compounds (amino acids, proteins, carbohydrates, nucleic acids, lipids, and vitamins). Related areas such as pH and buffers will also be discussed and typical procedures for investigation of these materials will be performed in the laboratory.
***Prerequisite: BIOL 100 and CHEM 105 (formerly 103 or 102) ***

BIOC 221 3:3-3
Biochemistry II - Metabolism
This course will present the bioenergetic principles, enzyme mechanisms and regulation of the central metabolic pathways. Topics include glycolysis, gluconeogenesis, pentose phosphate pathway, the citric acid cycle, metabolic regulation of glucose and glycogen metabolism, the urea cycle, oxidative phosphorylation and photosynthesis. The laboratory experiments will demonstrate metabolic principles.
***Prerequisite: BIOC 220 and CHEM 140 (formerly CHEM 240) ***
*Note: BIOC 221 replaces BIOC 320 and students cannot receive credit for both. *

BIOC 312 3:3-3
Analytical Chemisty III - Instrumental Analysis
Introduction to instrumental chemical analysis techniques including: GC, HPLC, ion chromatography, flame AAS and OES, GFAAS, capillary electrophoresis, size exclusion chromatography. Lab component: Experiments in instrumental analysis.
***Prerequisite: CHEM 210 and 215 (formerly CHEM 310) ***
*Note: Students can only receive credit for one of BIOC 312 and CHEM 312. *

BIOC 321 3:3-3
Biochemistry III - Macromolecules
This class examines the biochemical properties of biomacromolecules including proteins, carbohydrates, lipids and nucleic acids. The structure and functional roles of the macromolecules as well as the regulation of their bioactivities will be studied. The laboratory will deal with the isolation, characterization, and quantitative determination of macromolecules.
***Prerequisite: BIOC 221 (formerly BIOC 320) ***

BIOC 330 3:3-0
Enzymes
Lectures will discuss the fundamentals of enzyme chemistry: kinetics, inhibition, structure and mechanism, activity control, and protein folding and evolution.
***Prerequisite: BIOC 221 (formerly BIOC 320) ***
*Note: BIOC 330 replaces BIOC 420 and students cannot receive credit for both. *

BIOC 340 3:3-0
Biophysics
This introductory biophysics course examines the theoretical concepts and instrumentation design for microscopic techniques used to probe biological systems. We will investigate the key biological questions that can be addressed with each method. We will mainly focus on light-, fluorescence-, transmission electron-, and scanning electron microscopies with a brief introduction to atomic force microscopy.
Corequisite: BIOC 321

BIOC 390 3:3-3
Selected Topics in Biochemistry - an AA-ZZ series.
Selected topics in Biochemistry as defined by the individual instructor for courses at the intermediate level.

BIOC 391 3:3-0
Research Experience
This course is intended for students who wish to gain experience in biochemical research under the supervision of a Biochemistry/Chemistry faculty member or a Biochemistry professor at a Federated College. Students will carry out an independent research project, and will have an opportunity to develop an appreciation for experimental preparation, methods, analysis, and scientific report writing.
Prerequisite: Permission of the Chemistry/Biochemistry department head and the faculty member
Note: Research positions are limited. Students with a strong background in courses in the subdiscipline of research interest will be given preference
Note: Students can only receive credit for one of BIOC 391 and CHEM 391
Note: Students can use this course in their program as an elective only

BIOC 401 3:0-0
Honours Research
Honours biochemistry students will carry out independent research under the supervision of a Biochemistry/Chemistry faculty member. Students are required to present a summation of their research progress.
Note: Students can only receive credit for one of BIOC 401 and CHEM 401

BIOC 402 3:0-0
Honours Thesis
A continuation of the research project started in BIOC 401. Students will complete their research projects, submit a written research thesis and give an oral presentation and defence of the thesis.
*Note: Students can only receive credit for one of BIOC 402 and CHEM 402. *

BIOC 427 3:3-0
Selected Topics in Biochemistry - an AA-ZZ series.
Courses designed to meet the needs of groups of senior undergraduate students.

BIOC 428 3:3-0
Selected Topics in Biochemistry - an AA-ZZ series.
Courses designed to meet the needs of groups of senior undergraduate students.

BIOC 429 3:3-0
Selected Topics in Biochemistry - an AA-ZZ series.
Courses designed to meet the needs of groups of senior undergraduate students.

BIOC 430 3:3-0
Chemical Biology
Chemical biology can be defined as an interdisciplinary science where chemistry is applied to problems in biology. Topics include protein engineering/directed enzyme evolution, chemical genetics, unnatural amino acids, genomics/proteomics, catalytic antibody, ribozyme/riboswitch, combinatorial biosynthesis, metabolic engineering, DNA nanotechnology, chemical ecology/antibiotics, biosensors, etc.
Prerequisite: BIOC 330

BIOC 440 3:3-0
Advanced Microscopy
This advanced biophysics course examines the theoretical concepts and instrumentation associated with scanning probe microscopy techniques, such as atomic force- and near-field scanning optical microscopies, that are used to address biochemical/biological questions.There will be a special focus on lipid systems, but applications to proteins, carbohydrates and whole cells will also be discussed.
***Prerequisite: BIOC 340 ***

BIOC 490 1-3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students.
Note: These courses are restricted to honours students.

BIOC 491 1-3:1-0
Directed Readings - an AA-ZZ series.
Courses are designed to meet the specific needs of individual students.
*Note: These courses are restricted to honours students. *

BIOC 492 1-3:1-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students.
*Note: These courses are restricted to honours students. *

BIOC 493 1-3:1-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students.
*Note: These courses are restricted to honours students. *

BIOC 494 1-3:1-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students.
*Note: These courses are resticted to honours students. *

BIOC 495 1-3:1-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students.
Note: These courses are restricted to honours students.

BIOL Biology

BIOL 051 0:0-0
Biology Co-op Work Term I
Four-month co-op work term approved by the department and arranged by the co-op coordinator.

BIOL 052 0:0-0
Biology Co-op Work Term II
Four-month co-op work term approved by the department and arranged by the co-op coordinator.

BIOL 053 0:0-0
Biology Co-op Work Term III
Four-month co-op work term approved by the department and arranged by the co-op coordinator.

BIOL 054 0:0-0
Biology Co-op Work Term IV
Four-month co-op work term approved by the department and arranged by the co-op coordinator.

BIOL 100 3:3-1.5
Biology I - From Cells to Organisms
An examination of biological molecules, cell structure and fundamental cellular processes, bioenergetics, genetics, evolution, and animal and plant physiology. ***Prerequisite: Biology 30 and Chemistry 30 are strongly recommended***
Note: This course is designed for biology majors, pre-professional students, secondary education science students, and those wanting two terms of biology. Students seeking a single term introductory course are advised to take BIOL 140 or 150

BIOL 101 3:3-3
Biology II - Organisms in their Environment
A comparative approach to the three Domains of life, including structure, diversity, physiology, and ecology.
Notes: BIOL 100 is a recommended pre-requisite. This course is designed for biology majors, pre-professional students, secondary education science students, and those wanting two terms of biology. Students seeking a single term introductory course are advised to take BIOL 140 or 150

BIOL 110 3:3-3
Human Anatomy and Physiology I
An introduction to the anatomy and normal functioning of the human body. The course takes a holistic approach to understanding and integrating anatomy and physiology in both lecture and laboratory components.
*Note: Restricted to Nursing students only *

BIOL 111 3:3-3
Human Anatomy and Physiology II
A continuation of BIOL 110. Further study of the anatomy and normal functioning of the human body, integrating anatomy and physiology in both lecture and laboratory components. ***Prerequisite: BIOL 110***
*Note: Restricted to Nursing students only *

BIOL 140 3:3-1.5
Human Biology for Non-majors
An introductory level course covering the principles of biology with examples taken from humans.
*Note: This course is designed to apply the study of biological principles to humans. Biology majors cannot take this course for credit. Students cannot receive credit for both BIOL 140 and 150. Students who have credit for either BIOL 100 or BIOL 101 cannot subsequently receive credit for either of BIOL 140 or BIOL 150. *

BIOL 150 3:3-1.5
Biological Principles for Non-majors
This course is a survey of basic modern biological principles. Topics will include: origin of life, basic cell structure and function, evolution, an outline of organism diversity, ecological principles, and selected functions of multicellular organisms.
*Note: Designed for students who do not intend to be biology majors and who are not in pre-professional programs. Students cannot receive credit for both BIOL 140 and 150. Students who have credit for BIOL 100 or

BIOL 101 cannot subsequently receive credit for either of BIOL 140 or BIOL 150. *

BIOL 201 3:3-0
Evolutionary Biology of Sex
This lecture based course will help students understand sexual reproduction in animals (including humans) in an evolutionary context. Specifically the course will deal with issues about the potential conflicts between males and females and their offspring. Topics will include evolution and natural selection in the context of the function of sex, sexual selection, mating systems, mate selection and parental investment, social behaviour, male-female and parent-offspring conflict.
***Prerequisite: 24 credit hours ***
*Note: Any students who have taken BIOL 275 are precluded from taking this course. *

BIOL 205 3:3-3
Introductory Genetics
This course covers chromosome theory of inheritance/eukaryotic transmission genetics. Topics will include: nature of genetic material, DNA replication, mechanism of mutation, natural recombination, artificial recombination, recombinant DNA technology/genetic engineering, and population genetics.
***Prerequisite: BIOL 100 and 101, CHEM 104 ***
*Note: CHEM 104 can be taken concurrently *

BIOL 222 3:2-0
Microbiology for Health Professionals
This course introduces fundamental concepts of microbiology with specific emphasis on clinically relevant microbes and their impact on human health.
*Note: Restricted to Nursing students *

BIOL 223 3:3-0
Microbes and Society: Can microbes save humanity?
Microbes play a critically important role in the environment and human society. Microbiology will be used to introduce students to relevant environmental issues. Students will develop critical thinking skills for evaluating these environmental issues.
Prerequisite: Completion of 24 credit hours

BIOL 266 3:3-3
Plant Physiology
This course covers the functioning of plants and their interaction with the environment. Topics will include: photosynthesis, water relations, transport processes, mineral nutrition and assimilation, hormones, and development.
***Prerequisite: BIOL 100 and 101, CHEM 104 ***
*Note: CHEM 104 can be taken concurrently *

BIOL 275 3:3-3
Ecology
This is an introductory course that covers plant, animal, and microbial ecology. Field work will be required.
***Prerequisite: BIOL 100 and 101, CHEM 104 ***
*Note: CHEM 104 can be taken concurrently *

BIOL 276 3:3-0
Environmental Biology
This course discusses the biological basis for environmental change and its impacts on human society and will review the patterns, causes and consequences of human-induced and natural environmental change. Topics will include: global warming, acid rain, ozone depletion, fisheries collapse, sustainable forestry, agriculture, biodiversity, and conservation. For Biology, Environmental Science and Environmental Studies Majors.
***Prerequisite: BIOL 100 and 101, or BIOL 150 and ENST 200 ***

BIOL 288 3:3-3
Cell Biology
This is an introductory course in cell biology covering the structure and function of cells and their organelles.
***Prerequisite: BIOL 100 and 101, CHEM 104 ***
*Note: CHEM 104 can be taken concurrently *

BIOL 302 3:3-3
Food Microbiology
Students will be introduced to the importance of microbes in foods. Topics will include: microbial ecology in food environments, survey of microbes important in food spoilage and food borne illness, food fermentations, and control and detection of detrimental microbes with special emphasis on novel or emerging techniques. ***Prerequisite: BIOL 310***

BIOL 303 3:3-0
Medical Microbiology
Aetiology, pathogenesis, diagnosis, treatment and epidemiology of infectious diseases of humans, caused by bacterial, viral, fungal and parasitic organisms.
Prequisites: BIOL 205, 220, 288

BIOL 305 3:3-3
Genetics
This course covers the evolution of concepts of the gene. Topics will include: bacterial and viral genetics, genetic code and translation, transcription, processing of RNA and protein molecules, structural organization of prokaryotic and eukaryotic genes, and regulation of gene expression.
Prerequisite: BIOL 205 and CHEM 140, and one of BIOL 288 or BIOC 220

BIOL 310 0-3:3-3
Microbial Diversity and Cell Function
Students will be introduced to the tremendous diversity in microbial cell structure, function, and the environments they influence. Specific topics include: Microbial physiology, microbial symbionts, extermophiles, microbial cell sensing and adaptive responses, and viral diversity.
Prerequisite: BIOL 288 or BIOC 220
Note: Credit cannot be received for both BIOL 220 and BIOL 310.

BIOL 316 3:3-0
Conservation Biology
This course will examine processes that affect biodiversity. The goal of the course is to apply principles of ecology and evolution to understand the importance of biodiversity and the significance of recent human-induced changes. ***Prerequisites: BIOL 100 and 101, BIOL 275, STAT 100***

BIOL 335 3:3-3
Limnology
Physical and chemical characteristics of lakes and streams. Nutrient cycling. Ecology of aquatic organisms. Food-web interactions in lakes. Human impact on freshwater ecosystems. History of lakes. Includes field work.
Prerequisite: BIOL 275 or BIOL 276.

BIOL 341 3:3-0
Biometrics
A practical and computer-assisted approach to the design of biological experiments and to multivariate analyses of discrete and continuous variables.
Prerequisite: BIOL 100 and 101, STAT 100 and STAT 200.
Note: Students with credit for STAT 342 cannot take BIOL 341 for credit.

BIOL 356 0-3:3-3
Ecosystems Since Glaciation
Long-term ecosystem structure and dynamics provide the context for present day global change. This course examines ecosystem dynamics in the last 10,000 years, focusing on the last few centuries. Paleoecological methods and results of reconstructing such phenomena as acid rain, range changes, island biogeographies, and fire histories will be studied.
Prerequisites: BIOL 275

BIOL 365 3:3-3
Vascular Plants
Morphology and reproduction of vascular plants with particular reference to the interrelationships and evolutionary history of the major groups.
***Prerequisite: BIOL 275 ***

BIOL 366 3:3-3
Advanced Plant Physiology
Environmental, physiological and biochemical regulation of photosynthesis and respiration, plant energetics, acclimation to abiotic stress, interactions between photosynthesis and stress.
Prerequisite: BIOL 266 and 288

BIOL 367 3:3-3
Plant Taxonomy
This course covers plant classification and nomenclature with special emphasis on flowering plants. Techniques of identification and diagnostic features of selected groups of plants will be described.
***Prerequisite: BIOL 275 ***

BIOL 375 3:3-0
Systems Ecology
An ecosystem approach to energy flow and nutrient cycling in Saskatchewan prairies, forests and lakes.
Prerequisite: BIOL 275 and STAT 160 or STAT 200.

BIOL 376 0-3:3-3
Population and Community Ecology
Explores the major processes governing population dynamics, species interactions, and community structure. Emphasizes a quantitative framework for understanding populations and communities using mathematical models and graphical analysis. ***Prerequisite: BIOL 275, one of MATH 111 or MATH 112 and one of STAT 160 or STAT 200.***

BIOL 378 0-3:3-3
Animal Physiology
This course covers the general principles of animal physiology and includes discussion of the major physiological systems, including nervous, sensory, muscular, circulatory, respiratory, digestive, and reproductive systems.
Prerequisite: BIOL 288 or BIOC 220
Note: Credit cannot be held for both BIOL 265 and BIOL 378.

BIOL 380 3:3-3
Animal Behaviour
An evolutionary approach to the study of the behaviour and ecology of individual animals. Compulsory field work for one week before lectures begin.
Prerequisite: BIOL 275 and STAT 200.

BIOL 385 3:3-3
Vertebrate Animal Biology
The anatomy, evolution, taxonomy, distribution, phylogeny and fossil history of vertebrate animals. Laboratories will involve dissections to illustrate diversity of body form and function.
Prerequisite: BIOL 275

BIOL 390 3:3-0
General and Comparative Endocrinology
Principles and concepts of mammalian endocrine systems. Emphasis will be placed on the regulators of hormone synthesis and secretion, the cellular and molecular mechanisms of hormone action and their role in regulating cell and organismal physiology. Examples of human endocrine disorders will be considered.
Prerequisite: BIOL 288

BIOL 395 3:3-0
Animal Developmental Biology
Will provide an overview of the major cellular and molecular events during early embryonic development in animals. Following discussions from fertilization to an outline of the body plan, the development of selected organ systems will be studied in greater depth. The role of gene activity in development will be considered.
***Prerequisite: BIOL 288 ***

BIOL 396 3:1-0
Independent Research in Biology
This course is intended as an introduction to independent research. Under the direct supervision of a Biology faculty member, students will undertake a well-defined research project suitable for completion in one term. A written report with structure similar to a journal article within the discipline will be produced.
Prerequisite: 60 credit hours and permission of course instructor.
Note: the written report cannot incorporate material or data derived from paid employment.

BIOL 399 0-3:3-3
Selected Topics/Reading Courses - an AA-ZZ series
Courses used to offer topical material.

BIOL 402 3:3-0
Evolution
This course explores the evidence supporting evolution as a scientific theory, its role as the main unifying theory of biology, and how biologists use evolution to guide research. Topics covered include molecular evolution, phylogeny, the history of life, natural selection and adaptation, the evolution of life histories, speciation, and macroevolution.
***Prerequisite: BIOL 205 ***

BIOL 405 3:3-0
Molecular Genetics
Anatomy of the genome in prokaryotes and eukaryotes, evolution of genomes, molecular phylogenies, gene expression and its regulation in pro- and eukaryotes, recombination, and modern molecular methods.
***Prerequisite: BIOL 305 ***

BIOL 406 3:0-0
Genomics and Bioinformatics
This course covers the fundamental theories and bioinformatic methodologies underlying comparative evolutionary and functional genomics with examples from bacteria, plants, animals and humans.
Prerequisites: CS 110, BIOL 305
Note: Formerly numbered BIOL 490BG. Students may not receive credit for both BIOL 406 and BIOL 490BG.

BIOL 407 3:3-1.5
Neurophysiology
This course explores the function of the nervous system, in both health and disease. We will also cover functional anatomy of sensory systems, memory, and movement using both hands-on investigations and theoretical analysis.
Prerequisites: One of BIOL 288, 378, PSYC 102 or 255, or permission of instructor

BIOL 410 3:3-3
Microbial Genetics and Infection
This course will examine bacterial and viral genetic systems to understand host-pathogen interactions, with a focus on: gene regulation, gene transfer, mutation, evolution of host-pathogen interactions, and epidemiology.
Prerequisite: BIOL 305

BIOL 425 3:3-1
Ecological Methodology
A framework for research investigating ecological patterns and processes in natural populations and communities. Observational and experimental methodologies will be covered to enable the students to develop and test hypotheses.
Prerequisite: BIOL 275 and STAT 200.

BIOL 435 3:3-3
Advanced Aquatic Ecology
Regulation of plankton communities in freshwater and saline lakes. Experimental evidence for population control by predation, competition, and the physical environment. Experimental design. There will be individual field research projects.
***Prerequisite: BIOL 335 ***

BIOL 456 3:3-0
Global Biogeochemistry
The course will present an in-depth examination of elemental cycles within the context of global change. Topics will include the biogeochemical properties of water, carbon, nitrogen, sulphur, phosphorus, and some contaminants and the ways in which anthropogenic activities have altered the behaviour and movement of these elements.
Prerequisite: CHEM 104 and BIOL 275

BIOL 457 3:3-0
Environmental Microbiology
Course focuses on understanding the interactions of microorganisms with their environment. Topics include ecology, diversity, and biotechnological applications of microbial communities, including those from extreme and unusual environments. The use of molecular approaches to identify and characterize microbial communities will be emphasized.
Prerequisite: BIOL 275 and BIOL 288

BIOL 463 3:3-0
Stable Isotope Ecology - Methods and Applications
This course focuses on basic methodology and applications of stable isotope analysis in ecology. Discussing the classical and current literature in the field will enable students to critically evaluate published studies and help design their own research projects.
Prerequisite: BIOL 275

BIOL 485 3:3-3
Ornithology
Classification, anatomy, physiology, behaviour, ecology and conservation of birds. Compulsory field work will be required.
***Prerequisite: BIOL 385 ***

BIOL 488 0:1-0
Seminars in Biology
All majors and honours students in their fourth year must attend the departmental seminar series.

BIOL 490 0-3:3-3
Selected Topics/Reading Courses - an AA-ZZ series.
Courses used to offer topical material.

BIOL 491 0-3:3-3
Selected Topics/Reading Courses - an AA-ZZ series.
Courses used to offer topical material.

BIOL 492 0-3:3-3
Selected Topics/Reading Courses - an AA-ZZ series.
Courses used to offer topical material.

BIOL 493 0-3:3-3
Selected Topics/Reading Courses - an AA-ZZ series.
Courses used to offer topical material.

BIOL 494 0-3:3-3
Selected Topics/Reading Courses - an AA-ZZ series.
Courses used to offer topical material.

BIOL 495 0-3:3-3
Selected Topics/Reading Courses - an AA-ZZ series.
Courses used to offer topical material.

BIOL 498 3:1-0
Thesis Research I
Individual student research conducted under the direction of a Biology faculty member. Students enrolling in BIOL 498 must also complete BIOL 499 which entails a continuation of the independent research, and the preparation and defence of a written thesis.
Prerequisites: Approval by department head.

BIOL 499 3:1-0
Thesis Research II
Preparation and defence of a written thesis. The defence will consist of a student seminar and oral examination of the thesis by a faculty committee.
Prerequisites: Approval by department head.

BUS Business

BUS 001 0:0-0
Co-operative Business Administration Work/Study I
This non-credit course is for students in their first work term. Registration in this course enables students completing work terms to enjoy the same privileges (eg. use of University facilities) enjoyed by students registered for the term.
** Acceptance into the Co-operative Education program is required prior to registration. **

BUS 002 0:0-0
Co-operative Business Administration Work/Study II
This non-credit course is for students in their second work term. Registration in this course enables students completing work terms to enjoy the same privileges (e.g. use of University facilities) enjoyed by students registered for the term.

BUS 003 0:0-0
Co-operative Business Administration Work/Study III
This non-credit course is for students in their third work term. Registration in this course enables students completing work terms to enjoy the same privileges (e.g. use of University facilities) enjoyed by students registered for the term.

BUS 004 0:0-0
Co-operative Business Administration Work/Study IV
This non-credit course is for students in their fourth work term. Registration in this course enables students completing work terms to enjoy the same privileges (e.g. use of University facilities) enjoyed by students registered for the term.

BUS 007 0:0-2
Business Computer Lab
This compulsory pass/fail laboratory will familiarize students with microcomputers and the application software available for personal computers. Students will be instructed in the use of word processing, spreadsheets, presentation software, databases and communication packages. The emphasis of the lab will be on managerial applications of the software so students will be able to utilize the computer for their remaining business administration courses.
Note: Students must take this course during their first term in the BBA.

BUS 100 3:3-0
Introduction to Business
This course will introduce students to the functional areas of business in a variety of organizations.
Note: Students who have received credit for more than two of BUS 210 (or ADMN 210), BUS 250 (or ADMN 250), BUS 270 (or ADMN 270), BUS 275 (or ADMN 275), BUS 288 (or ADMN 288), BUS 290 (or ADMN 290), BUS (or ADMN) course numbered 300 or higher may not take or receive credit for BUS 100. Students may not receive credit for both BUS 100 and ADMN 100.

BUS 205 3:3-0
Management Communication
This course is designed to assist students to improve their skills and confidence as effective communicators in an organizational context. Students will explore the issues faced by organizations in communicating internally with employees and externally with diverse publics. The course will focus on both oral and written communication.
Prerequisite: AE 019 or ENGL 100 or EPS 116
*Note: Students may only receive credit for one of BUS 205, ADMN 205, and ADMN 265. *

BUS 210 3:3-0
Introduction to Marketing
This course presents the fundamentals of marketing theory and practice at the introductory level. Drawing upon contributions from the social sciences, the course will introduce students to the generic nature of marketing activity. In particular, attention is directed toward the study of the price, promotion, place, and product components of the ?marketing mix?. Attention is also directed toward the social and legal environment within which the marketing system functions.
Prerequisite: BUS 100 (or ADMN 100) and BUS 260 (or ADMN 260). Concurrent enrolment is allowed in BUS 260.
Note: Students may not receive credit for both BUS 210 and ADMN 210.

BUS 235 3:3-0
Selected Topics in Business I
Courses are designed at the 200-level as required for individuals or groups of undergraduates.
Prerequisite: Dependent on each class offering. (Please see Faculty of Business Administration General Office)

BUS 250 3:3-0
Introduction to Human Resource Management and Industrial Relations
This introductory course addresses basic concepts and processes of the field of human resource management. Topics include: human resource planning, job analysis, recruitment, selection, orientation, training and development, performance management, compensation management, workplace health and safety, and employee and labour relations.
Prerequisite: BUS 100 (or ADMN 100) and BUS 260 (or ADMN 260).
Note: Students may not receive credit for both BUS 250 and ADMN 250.

BUS 260 3:3-0
Introduction to Organizational Behaviour
This introductory course addresses the basic concepts and processes of organizational behaviour. Topics will include: individual level variables, such as perception, personality, attitudes, and motivation; interpersonal and group processes, such as communication, teams, leadership, and power; and, organizational level factors such as organizational design, culture, and change.
*Note: Students may not receive credit for both BUS 260 and ADMN 260. *

BUS 270 3:3-0
Introduction to Quantitative Analysis
This course is an introduction to the use of quantitative techniques as an aid to organizational decision making. Emphasis will be on the formulation and solution of resource allocation, inventory scheduling, and decision making and on the suitability of such methods.
Prerequisite: BUS 100 (or ADMN 100), MATH 103, and STAT 100.
Note: Students may not receive credit for both BUS 270 and ADMN 270.

BUS 275 3:3-0
Operations Management
An introduction to the management of the operations function in organizations. Topics will include: forecasting, planning, scheduling, layout, control over quality, and quantity of output. Problems of production of goods and services will be considered. The course will also include an introduction to the use of quantitative techniques as an aid to organizational decision making.
Prerequisite: BUS 100 (or ADMN 100), MATH 103, and STAT 100
Note: Students may not receive credit for both BUS 275 and ADMN 275.

BUS 285 3:3-2
Introduction to Financial Accounting
This course presents the fundamentals of financial accounting theory and practice at the introductory level. Basic accounting principles, their application in modern business organizations, and the preparation of business records and financial reports are considered.
*Note: Students may not receive credit for both BUS 285 and ADMN 285. *

BUS 288 3:3-0
Introduction to Managerial Accounting
This course introduces the use of accounting systems for managerial information and control purposes. It also provides an introduction to some of the problems inherent in assigning valuations to various cost objects.
Prerequisite: BUS 100 (or ADMN 100) and BUS 285 (or ADMN 285). *Note: Students may not receive credit for both BUS 288 and ADMN 288.*

BUS 290 3:3-0
Introduction to Finance
An introduction to the fundamental valuation techniques used in finance. Topics will include: discounted cash flow analysis, net present value, capital budgeting, risk, asset and security valuation, and corporate capital structure.
Prerequisite: BUS 100 (or ADMN 100), STAT 100, and BUS 285 (or ADMN 285). Concurrent enrolment is allowed in BUS 285.
Note: Students may only receive credit for one of BUS 290, ADMN 290, and ACSC 216.

BUS 291 3:3-0
Personal Finance
This course will assist students in developing and implementing a personal financial plan. Topics will include: setting objectives and goals, developing short and long term plans, financial concepts in implementing the plan, financial instruments used in implementing the plan, and monitoring the plan.
Prerequisite: Completion of a minimum of 30 credit hours of university studies
Note: Students may not receive credit for both BUS 291 and BUS 492AA

BUS 301 3:3-0
Negotiation
This course will develop a student?s understanding of the principles, strategies, and tactics of effective negotiation and professional relationship management. Students will learn to identify and assess the variables in negotiations, develop sound negotiation planning techniques, and develop an understanding of various strategies and tactics to ethically resolve conflicts and interpersonal differences.
Prerequisite: BUS 210 and BUS 250
Note: Students may not receive credit for both BUS 301 and BUS 476AA.

BUS 302 3:3-0
Entrepreneurship: Small Business Modeling and Feasibility Analysis
This course addresses early stage elements of starting up and operating a small business on a conceptual level. Using cases, competitions and experiential exercises, students will learn opportunity alertness and identification, building a value proposition, testing business hypotheses, creating competitive advantage, setting up financials, analyzing break even, charting growth and planning for exit. Students develop, build and test an entrepreneurial opportunity they identify, and assess its feasibility. The course applies to all business start up including non profit, for profit, for benefit and corporate or institutional intrapreneurship.
***Prerequisite: Completion of a minimum of 60 credit hours of university studies. ***
Note: Students may only receive credit for one of BUS 302, ADMN 302, and ENGG 436.

BUS 304 3:3-0
Innovation and Entrepreneurship
This course explores the concept and practice of innovation and entrepreneurship. Concepts covered will include sources of, and barriers to creativity and innovation; opportunity recognition; transforming invention to innovation; sharing and protecting intellectual property; globalization and development.
Prerequisites: Business Administration students: BUS 210 (or ADMN 210) and BUS 250 (or ADMN 250); Science, Engineering, and Education students: Completion of a minimum of 60 credit hours of university studies.

BUS 306 3:3-0
Ethics in Decision Making
This course introduces students to the principles and processes of ethical decision making in business. The course is designed to give students a strong conceptual and practical knowledge of ethics. Students will learn ethical principles and develop competence in applying sound ethical decision making processes within the context of organizations and their interaction with society.
Prerequisite: BUS 100 (or ADMN 100) and 45 credit hours of university studies.
Note: Students may not receive credit for both BUS 306 and ADMN 306.

BUS 307 3:3-0
Business Law
This course provides an introduction to Canadian legal institutions and processes. Topics will include: the judicial system, law making, contracts, torts and civil liability, constitutional and administrative law, and criminal law.
Prerequisite: BUS 100 (or ADMN 100) and 45 credit hours of university studies.
Note: Students may not receive credit for both BUS 307 and ADMN 307.

BUS 308 3:3-0
International Business
The rapid growth of international business and competition requires business executives to view business management from a global perspective. This course focuses upon the nature of international business and the distinctive opportunities and problems that arise in a global business environment. Topics include international trade, the international monetary system, multinational business operations, economic integration, and business relations with host countries.
***Prerequisite: BUS 210 (or ADMN 210), BUS 250 (or ADMN 250), BUS 275 (or ADMN 275), BUS 288 (or ADMN 288), and BUS 290 (or ADMN 290) ***
*Note: Students may not receive credit for both BUS 308 and ADMN 308. *

BUS 309 3:3-0
International Trade Management
This course provides students with the fundamentals of managing international trade. Topics may include: export management, international business planning, managing strategic alliances, supply chain management in an international context, and managing the logistics of international trade.
***Prerequisite: BUS 308 (or ADMN 308) ***

BUS 310 3:3-0
Strategic Marketing
The purpose of the course is to introduce students to the types of decisions they would be facing in a marketing-related job. Emphasis will be placed on the application of theoretical concepts to real world problems by using case studies. The course will focus on the major decisions facing marketing executives in their attempt to harmonize the objectives and resources of the organization with the opportunities found in the marketplace.
***Prerequisite: BUS 210 (or ADMN 210) ***
*Note: Students may not receive credit for both BUS 310 and ADMN 310. *

BUS 312 3:3-0
Consumer Behaviour
A survey of the noteworthy contributions of the behavioural sciences that contribute to the understanding and the prediction of consumer behaviour and the various research techniques in the social sciences that contribute to the understanding of consumer purchasing and decision-making processes, with particular attention to formal and informal influence patterns. Also includes a survey of models of consumer purchasing behaviour, brand loyalty, and product cycles.
***Prerequisite: BUS 210 (or ADMN 210) ***
*Note: Students may only receive credit for one of BUS 312, ADMN 312, and ADMN 412. *

BUS 314 3:3-0
Entrepreneurial Marketing
This course presents the core concepts of entrepreneurship and marketing with a strong emphasis on the marketing of new, innovative, high technology products and services where no market previously existed or where the underlying product concepts may be unfamiliar to existing customers. Marketing techniques particularly useful for entrepreneurial settings are emphasized, including marketing with limited resources.
Prerequisite: BUS 210 (or ADMN 210)

BUS 317 3:3-0
Social Media Marketing
This course examines the impact of social media on the marketing of products, services, and corporate image, as well as consumer empowerment. The focus will be placed on the use of social media tools and platforms to increase effectiveness, efficiency, and competitiveness and to improve customer relationship management.
Prerequisite: BUS 210 (or ADMN 210)
Note: Students may only receive credit for one of BUS 317, BUS 417, ADMN 417, and ADMN 435AC.

BUS 335 3:3-0
Selected Topics in Business II
Courses are designed at the 300-level as required for individuals or groups of undergraduates.
Prerequisite: Dependent on each class offering. (Please see Faculty of Business Administration General Office)

BUS 340 3:3-0
Government Finance
This course examines the basic principles and practices of government finance in Canada. Topics will include: the role of government expenditures, basic principles and structure of taxation, and inter-governmental transfers.
***Prerequisite: ECON 201 and ECON 202 ***
*Note: Students may only receive credit for one of BUS 340, ADMN 340, and ECON 232. *

BUS 354 3:3-0
Occupational Health and Safety
This course focuses on the effective management of occupational health and safety (OHS). Beginning with a survey of the history of OHS, current statistics, and the legal environment for OHS, the course turns to the role of leadership, culture, and a safety management system in enhancing the physical and mental wellbeing of employees.
Prerequisite: BUS 250 (or ADMN 250)
Note: Students may not receive credit for both BUS 354 and BUS 473AC

BUS 355 3:3-0
Introduction to Industrial Relations
This course concerns the employment relationship and, in particular, the union management relationship. The economic, social and political context of collective bargaining is examined as well as the processes used by the parties. While the primary focus is on Canadian public and private organizations, comparisons with some other nations will be made.
***Prerequisite: BUS 250 (or ADMN 250) ***
*Note: Students may not receive credit for both BUS 355 and ADMN 355. *

BUS 356 3:3-0
Staffing Organizations
This course takes the perspective of human resources professionals and is concerned with recruitment, selection, placement in the workplace, and career patterns within the organization. The focus is on the design, implementation, and operation of staffing systems.
***Prerequisite: BUS 250 (or ADMN 250) ***
*Note: Students may only receive credit for one of BUS 356, ADMN 356, and ADMN 435AA. *

BUS 357 3:3-0
Compensation
This course takes the perspective of human resources professionals and is concerned with the policies, objectives and techniques of designing, and implementing compensation systems. Topics will include: providing for internal and external equity, performance pay, indirect pay systems, and international compensation considerations.
***Prerequisite: BUS 250 (or ADMN 250) ***
*Note: Students may not receive credit for both BUS 357 and ADMN 357. *

BUS 358 3:3-0
Training and Development
This course takes the perspective of human resources professionals and is concerned with the design, implementation, and evaluation of training and development programs. Topic will include: performing needs analysis, applying learning models in designing and implementing programs, and evaluating the costs and benefits of training and development. The course also considers career development issues and practices.
***Prerequisite: BUS 250 (or ADMN 250) ***
*Note: Students may only receive credit for one of BUS 358, ADMN 358, and ADMN 435AL. *

BUS 361 3:3-0
Management of Performance
This course takes the perspective of human resources professionals and is concerned with the design, development, implementation, and evaluation of systems that measure, support, review and appraise individual performance. These systems can help managers improve workforce effectiveness and address performance problems.
***Prerequisite: BUS 250 (or ADMN 250) ***
*Note: Students may not receive credit for both BUS 361 and ADMN 361. *

BUS 362 3:3-0
Management Skill Development
This course concerns the development of managerial skills such as: managing stress, organizing work, creating motivating work environments, interacting with others, leading others, building a high-performance team, and making effective decisions. The course involves self-assessment, analysis, practice, and application directed at improving students' personal effectiveness as managers.
***Prerequisite: BUS 250 or ADMN 250 ***
*Note: Students may only receive credit for one of BUS 362, ADMN 362, and ADMN 462. *

BUS 363 3:3-0
Organizational Analysis
This course concerns the structures and processes of organizations and their sub-units as they influence and are influenced by their technology and environment. Topics will include: organizational strategy and structure, organizational decision-making, conflict, life cycles, innovation, and emerging forms.
***Prerequisite: BUS 250 (or ADMN 250) ***
*Note: Students may only receive credit for one of BUS 363, ADMN 363, and ADMN 463. *

BUS 364 3:3-0
Managing a Diverse Workforce
This course concerns the increasing diversity of the work force and the major challenges and opportunities faced by organizations and their managers. Topics will include: maintaining fairness and justice, making effective decisions for performance improvement, allowing flexibility, and managing in the global environment. The course also examines the legal frameworks in place that value and protect employee and employer rights related to gender, race, age, religion, sexual orientation, ability, etc.
***Prerequisite: BUS 250 (or ADMN 250) ***
*Note: Students may only receive credit for one of BUS 364, ADMN 364, and ADMN 435AP. *

BUS 374 3:3-0
Selected Topics in Marketing – an AA-ZZ series
Courses in selected topics in marketing are designed at the 300-level.
Prerequisite: Dependent on each course offering. (Please see Faculty of Business Administration General Office)
Note: Students may not receive credit for both BUS 374AA-ZZ and an equivalent BUS 474AA-ZZ or ADMN 474AA-ZZ course covering the same topic

BUS 375 3:3-0
Managing Information Systems
An overview of management and organizational issues surrounding the Information Systems/Information Technology function (IS/IT) and in its interaction with business functions within and between organizations. Topics will include: the evolution of the IS/IT functions, functional area systems, current trends, strategy, managing and acquiring IS resources and ethical issues surrounding IS/IT.
***Prerequisite: BUS 205 (or ADMN 205 or ADMN 265), BUS 210 (or ADMN 210), BUS 250 (or ADMN 250), BUS 275 (or ADMN 275), BUS 285 (or ADMN 285), BUS 288 (or ADMN 288), and BUS 290 (or ADMN 290), and BUS 007 ***
*Note: Students may only receive credit for one of BUS 375, ADMN 375, and ADMN 435AI. *

BUS 384 3:3-2
Introduction to Taxation for Business Decisions
This course provides an introduction to the business aspects of taxation from the perspective of the business manager.
***Prerequisite: BUS 285 (or ADMN 285) ***
*Note: Students are encouraged to have completed BUS 340 (or ADMN 340). Students may not receive credit for both BUS 384 and ADMN 384. *

BUS 385 3:3-2
Intermediate Financial Accounting I
This course continues and builds upon the study of financial accounting begun in BUS 285. It extends students' understanding of generally accepted accounting principles through an in-depth examination of asset, liability and shareholders' equity valuation, and income measurement and financial statement analysis. It provides a greater awareness of the underlying rationale of existing practice and an appreciation of the characteristics and limitations of accounting.
***Prerequisite: BUS 285 (or ADMN 285) and BUS 290 (or ADMN 290). Concurrent enrolment is allowed in BUS 290. ***
*Note: Students may not receive credit for both BUS 385 and ADMN 385. *

BUS 386 3:3-0
Auditing Theory and Application
This course emphasizes the philosophy of auditing and its importance in the acceptance of financial statements by society. Topics will include: audits, responsibilities of auditors, and the objectives of independent audit.
***Prerequisite: STAT 100, and BUS 385 (or ADMN 385). Concurrent enrolment is allowed in BUS 385. ***
*Note: Students may not receive credit for both BUS 386 and ADMN 386. *

BUS 387 3:3-0
Intermediate Financial Accounting II
This course continues and builds upon the study of financial accounting begun in BUS 385. It extends students' understanding of generally accepted accounting principles through an in-depth examination of complex measurement issues.
***Prerequisite: BUS 385 (or ADMN 385) ***
*Note: Students may not receive credit for both BUS 387 and ADMN 387. *

BUS 388 3:3-0
Cost Accounting
This course expands on the introductory cost accounting material covered in BUS 288. Emphasis is placed on cost accounting systems and cost accumulation methods. Topical coverage will also include an examination of uses and limitations of quantitative techniques and the behavioural implications of internal financial systems.
***Prerequisite: BUS 285 (or ADMN 285) and BUS 288 (or ADMN 288) ***
Note: Students may not receive credit for both BUS 388 and ADMN 388.

BUS 392 3:3-0
Financial Modelling
This course covers the implementation of financial theories, using actual data and software such as spreadsheet programs. Relevant topics include portfolio selection, security analysis, corporate finance, fixed income securities, options, and financial simulations.
Prerequisite: BUS 395 (concurrent enrolment is allowed)
Note: Students may not receive credit for both BUS 392 and BUS 492AB

BUS 393 3:3-0
UR Investing
The course will manage the UR Investing Fund. Students taking this course will learn about financial decision-making from the real-world perspective of the institutional investor. Students will perform the following duties: 1) develop Investment Policies and Guidelines; 2) conduct industry and firm level research to identify stocks and bonds that fit the fund?s investment objective; 3) trade stocks/bonds and monitor the performance of the fund; 4) meet with investor clients and provide them with regular reports.
Prerequisite: BUS 290 (or ADMN 290) and permission of the Faculty
Note: Students may not receive credit for both BUS 393 and BUS 492AD

BUS 394 3:3-0
Entrepreneurial Finance
This course analyzes how entrepreneurs and their financial backers can spot, create and manage value. Start-up and early-stage ventures have particular financial challenges associated with the uncertain and unproven nature of the project. Topics include sources of capital, cash flow forecasting, sensitivity analysis, valuation methodologies, financial contracts and careful negotiations, and different strategies for growing or exiting a venture.
Prerequisite: BUS 288 (or ADMN 288) and BUS 290 (or ADMN 290)

BUS 395 3:3-0
Finance: Theory and Application
This course discusses theoretical models and their applications. Topics will include: capital structure, cost of capital, dividend policy, market efficiency, portfolio theory, and asset pricing.
***Prerequisite: BUS 290 (or ADMN 290) or ACSC 216 with a minimum grade of 60% and BUS 285 (or ADMN 285). ***
*Note: Students may not receive credit for both BUS 395 and ADMN 395. *

BUS 400 3:3-0
Business Strategy
This course focuses on the formulation and implementation of policy and strategy. It centers on the role and responsibilities of the general manager in formulating the goals and objectives of an organization; on integrating policies, plans, and programs; and, on using structures and systems of personal influence so that the organization can operate with a sense of direction and purpose.
***Prerequisite: All core business administration courses and a minimum of 90 credit hours. ***
*Note: Students may not receive credit for both BUS 400 and ADMN 400. *

BUS 402 3:3-0
New Enterprise Creation
This course will enable students to develop a business opportunity analysis into a fully developed business plan. Students will work on their own business ideas, bringing them to a level where financial institutions and venture capital sources would be interested. Students are recommended to complete BUS 314 and BUS 394 prior to registering for this course.
Prerequisites: Business Administration students: BUS 302 (or ADMN 302) and BUS 304; Science, Engineering, and Education students: Completion of a minimum of 90 credit hours of university studies.

BUS 405 3:3-0
Business, Government and Society
This course provides the student with an understanding of the institutional framework of the Canadian economy and society.
Prerequisite: A minimum of 75 credit hours.
Note: Students may not receive credit for both BUS 405 and ADMN 405.

BUS 408 3:3-0
International Study Trips - an AA-ZZ series.
The course includes a study tour to a foreign country. The objective is to examine the concepts and current practices related to doing business in an international environment. It will develop an understanding of the people, culture, and history of the particular country being visited. The course includes an examination of business, finance, politics and business culture.
***Prerequisite: Completion of 60 credit hours ***
*Note: Students may not receive credit for both BUS 408AA-ZZ and an equivalent ADMN 408AA-ZZ or ADMN 435AA-ZZ study trip to the same country. *

BUS 410 3:3-0
Advanced Marketing Strategy
In this course, real world cases describing complex marketing situations will be used to teach strategic thinking. Students will conduct in-depth analysis of business cases in order to practice marketing and business decision-making skills.
***Prerequisite: BUS 310 (or ADMN 310), and BUS 312 (or ADMN 312 or ADMN 412) ***
*Note: Students may not receive credit for both BUS 410 and ADMN 410. *

BUS 413 3:3-0
Marketing Research
This course is designed to introduce the fundamentals of marketing research, including concepts of general applicability to management research. The course includes a survey of contemporary research techniques as well as a detailed study of marketing research procedures that include questionnaire design, sampling and data collection, analysis, interpretation, and the application of findings.
Prerequisite: STAT 100 and any BUS 31x course or BUS 374AA-ZZ
Note: Students may not receive credit for both BUS 413 and ADMN 413

BUS 414 3:3-0
Management of Promotion
The course combines concepts in advertising, personal selling and other marketing communications tools to provide an overall promotional mix. It focuses on the theory and rationale behind various structures, and keeps the purely descriptive content to a reasonable minimum. Problems are viewed through the eyes of the promotions manager rather than from the technician's perspective.
Prerequisite: BUS 312 (or ADMN 312)
Note: Students may not receive credit for both BUS 414 and ADMN 414

BUS 415 3:3-0
International Marketing
This course will concentrate on the problems associated with conducting business in a foreign market. How should a company, large or small approach an export market? How significant are the cultural differences and how will these differences affect the selection of a marketing strategy? How should this strategy be selected and what retaliation can be expected from the domestic competition?
Prerequisite: BUS 31x course or BUS 374AA-ZZ
Note: Students may not receive credit for both BUS 415 and ADMN 415

BUS 416 3:3-0
Sales Management and Personal Selling
This course addresses the formulation and implementation of the strategic sales program, including evaluation and control of corporate sales performance. Topics will include: organization and integration of the company's personal selling efforts within the total marketing effort; selection, training and direction of sales personnel; and monitoring, evaluation and adjustment of performance and programs.
Prerequisite: BUS 312
Note: Students may only receive credit for one of BUS 416, ADMN 416, and ADMN 435AE

BUS 417 3:3-0
Internet Marketing
This course examines the impact of the Internet on marketing and related business functions that enable and support it. The focus will be on investigating the role marketing has on the utility of the Internet as a tool for business to increase effectiveness, efficiency, and competitiveness.
***Prerequisite: BUS 210 (or ADMN 210) ***
*Note: Students may only receive credit for one of BUS 417, ADMN 417, and ADMN 435AC. *

BUS 432 3:3-0
Directed Readings in Business - an AA-ZZ series.
This course consists of directed readings in selected topics in business.
***Prerequisite: Dependent on each class offering (Please see Faculty of Business Administration General Office). ***
*Note: Students may not receive credit for both BUS 432AA-ZZ and an equivalent ADMN 432AA-ZZ covering the same topic. *

BUS 435 3:3-0
Selected Topics in Business III
Courses are designed at the 400-level as required for individuals or groups of undergraduates.
Prerequisite: Dependent on each class offering. (Please see Faculty of Business Administration General Office)
Note: Students may not receive credit for both BUS 435AA-ZZ and an equivalent ADMN 435AA-ZZ covering the same topic

BUS 453 3:3-0
Strategic Human Resource Management
This course concerns the development and integration of human resource management practices to further the strategic direction of the organization. The course addresses: HR forecasting and planning, succession management, strategic approaches to other human resource management functions, and current HRM issues such as emerging organizational forms, downsizing and restructuring, and mergers and acquisitions.
Prerequisite: Three of: BUS 301, BUS 350-369 and a minimum of 90 credit hours
Note: Students may only receive credit for one of BUS 453, ADMN 453, and ADMN 353

BUS 455 3:3-0
Conflict Resolution in Employee-Management Relationships
This course involves understanding the nature, origins and state of conflict commonly found within the employment relationship. It identifies the processes that must be put in place to handle conflict appropriately in both unionized and non-unionized environments. Facilitation and negotiation skills will be emphasized.
Prerequisite: BUS 250 (or ADMN 250) and completion of a minimum of 60 credit hours of university studies, with BUS 355 recommended
Note: Students may not receive credit for both BUS 455 and ADMN 455

BUS 461 3:3-0
Organization Change and Development
This course provides students with an understanding of the basis for planned change in both sub-units and organizations. It provides a conceptual foundation for the diagnosis and analysis of organizational issues, and the development and implementation of strategies to introduce change in order to improve organizational effectiveness. It examines interventions that enhance opportunities for employees and result in creating high-performing organizations.
***Prerequisite: BUS 250 (or ADMN 250) ***
*Note: Students may not receive credit for both BUS 461 and ADMN 461. *

BUS 471 1-3:3-0
Selected Topics in Accounting - an AA-ZZ series.
This course consists of directed readings in selected topics in accounting.
***Prerequisite: Dependent on each course offering. (Please see Faculty of Business Administration General Office). ***
*Note: Students may not receive credit for both BUS 471AA-ZZ and an equivalent ADMN 471AA-ZZ covering the same topic. *

BUS 472 1-3:3-0
Selected Topics in Finance - an AA-ZZ series.
This course consists of directed readings in selected topics in finance.
***Prerequisite: Dependent on each course offering. (Please see Faculty of Business Administration General Office). ***
*Note: Students may not receive credit for both BUS 472AA-ZZ and an equivalent ADMN 472AA-ZZ covering the same topic. *

BUS 473 1-3:3-0
Selected Topics in Human Resource Management - an AA-ZZ series.
This course consists of directed readings in selected topics in human resources.
***Prerequisite: Dependent on each course offering. (Please see Faculty of Business Administration General Office). ***
*Note: Students may not receive credit for both BUS 473AA-ZZ and an equivalent ADMN 473AA-ZZ covering the same topic. *

BUS 474 1-3:3-0
Selected Topics in Marketing - an AA-ZZ series.
This course consists of directed readings in selected topics in marketing.
***Prerequisite: Dependent on each course offering. (Please see Faculty of Business Administration General Office). ***
*Note: Students may not receive credit for both BUS 474AA-ZZ and an equivalent ADMN 474AA-ZZ covering the same topic. *

BUS 475 3:3-0
Selected Topics in Management Information Systems - an AA-ZZ series.
This course consists of current or special interest topics in Management Information Systems from a managerial orientation.
***Prerequisite: BUS 375 (or ADMN 375) or ADMN 435AI ***
*Note: Students may not receive credit for both BUS 475AA-ZZ and an equivalent ADMN 475AA-ZZ covering the same topic. *

BUS 476 3:3-0
Selected Topics In Entrepreneurship AA-ZZ
This course consists of current or special interest topics related to entrepreneurship such as: family owned enterprise, social/not-for-profit enterprise, franchise management, technology or resource management, Aboriginal entrepreneurship, women in entrepreneurship, or ethnic entrepreneurship.
***Prerequisite: Dependent on each course offering. (Please see Faculty of Business Administration General Office) ***

BUS 484 3:3-0
Advanced Taxation
This course provides an in-depth analysis of income and commodity taxes in Canada.
***Prerequisite: BUS 384 (or ADMN 384) ***
*Note: Students may not receive credit for both BUS 484 and ADMN 484. *

BUS 485 3:3-0
Advanced Financial Accounting
A study of financial statement consolidation and other advanced financial accounting topics.
Prerequisite: BUS 387 (concurrent enrolment is allowed)
Note: Students may not receive credit for BUS 485 and ADMN 485

BUS 487 3:3-0
Accounting Theory
This course examines a variety of approaches to accounting theory and research, related accounting measurement issues, and the relationship between accounting theory and policy.
***Prerequisite: BUS 385 (or ADMN 385) ***
*Note: Students may not receive credit for both BUS 487 and ADMN 487. *

BUS 488 3:3-0
Advanced Managerial Accounting
This course is designed to integrate and evaluate managerial planning and control concepts. System design, control in large organizations and the impact of internally generated information on capital markets are emphasized.
***Prerequisite: BUS 270 (or ADMN 270) and BUS 388 (or ADMN 388) ***
*Note: Students may not receive credit for BUS 488 and ADMN 488. *

BUS 489 3:3-0
Contemporary Issues in Accounting - an AA-ZZ series.
This course will offer senior students an opportunity to explore, in depth, a particular current issue (or issues) in accounting. The topics will vary according to student and joint areas of interest.
***Prerequisite: BUS 387 (or ADMN 387) ***
*Note: Students may not receive credit for both BUS 489AA-ZZ and an equivalent ADMN 489AA-ZZ covering the same topic. *

BUS 491 3:3-0
International Financial Management
This course develops a broad conceptual framework for making international financial decisions. Topics include purchasing power parity, spot and forward exchange rate fundamentals, and foreign exchange risk.
***Prerequisite: BUS 395 (or ADMN 395) ***
*Note: Students may not receive credit for both BUS 491 and ADMN 491. *

BUS 492 3:3-0
Topics in Financial Management - an AA-ZZ series.
This course is an intensive study of selected topics in financial management. Coverage may vary from year to year depending upon the current needs of the students.
***Prerequisite: BUS 395 (or ADMN 395) ***
*Note: Students may not receive credit for both BUS 492AA-ZZ and an equivalent ADMN 492AA-ZZ covering the same topic. *

BUS 493 3:3-0
Security Analysis
The course objective is to teach students understanding of the comprehensive process of security analysis. The covered contents include an approach to growth investing, industry and macroeconomics analysis, and valuation by comparables (such as balance sheet approach and intrinsic value analysis). The course has two parts. The first part teaches students the essential tools for security analysis. The second part is practically oriented and builds students' skills in conducting security analysis for companies in real world.
Prerequisite: BUS 395 (concurrent enrolment is allowed)
Note: Students may not receive credit for both BUS 493 and BUS 492AC.

BUS 494 3:3-0
Derivatives and Risk Management
This course introduces students to the derivatives tools used in risk management. Topics will include the mechanics of futures, options and other derivatives markets; pricing; and strategies for using these instruments for risk management.
***Prerequisite: BUS 395 ***
Note: Students may not receive credit for both BUS 494 and BUS 492AE.

BUS 495 3:3-0
Financial Analysis and Decision Making
This course is an exploration of analytical techniques using financial information for decision making. Topics will include: identification and forecasting of relevant cash flows; project, firm and equity valuation; optimal financial leverage; and, sensitivity analysis.
***Prerequisite: BUS 395 (or ADMN 395) ***
*Note: Students may not receive credit for both BUS 495 and ADMN 495. *

BUS 497 3:3-0
Investment Analysis and Portfolio Management
This course provides an analysis of the principles and techniques of investing in financial assets. Topics will include: asset allocation, security selection, performance measurement, stocks, bonds, options, and futures.
***Prerequisite: BUS 395 (or ADMN 395) ***
*Note: Students may not receive credit for BUS 497 and ADMN 497. *

BUS 498 3:3-0
Capital Markets and Financial Institutions
This course examines how capital markets function and the pivotal role played by financial institutions. Particular emphasis is placed on coverage of Canadian markets and institutions, coverage of risk management, and risk-return tradeoffs available to investors.
***Prerequisite: BUS 395 (or ADMN 395) ***
*Note: Students may not receive credit for BUS 498 and ADMN 498. *

CATH — Catholic Studies

CATH 200 3:3-0
Introduction to Catholic Studies
A comprehensive introduction to the Catholic Studies Minor Program, this course equips the students with the tools that they will need to understand the history, culture, and theology of Catholicism. Both the historical and intellectual breadth of Catholic thought and the methodologies to interpret and understand it are explored.
***Prerequisite: Completion of 15 credit hours. ***

CATH 290 3:3-0
Selected Topics in Catholic Studies – an AA-ZZ series
Selected topics in Catholic Studies.
***Prerequisite: 15 credit hours or permission of Instructor ***

CATH 390 3:3-0
Selected Topics in Catholic Studies - an AA-ZZ series
Selected topics in Catholic Studies.
***Prerequisite: 30 credit hours or permission of Instructor ***

CHEM Chemistry

CHEM 051 0:0-0
Chemistry Co-op Work Term
Four-month co-op work term #1 approved by the department and arranged by the co-op co-ordinator.

CHEM 052 0:0-0
Chemistry Co-op Work Term #2
Four-month Co-op work term #2 approved by the department and arranged by the Co-op coordinator.
***Prerequisite: CHEM 051 ***

CHEM 053 0:0-0
Chemistry Co-op Work Term #3
Four-month co-op work term #3 approved by the department and arranged by the co-op coordinator.
***Prerequisite: CHEM 052 ***

CHEM 054 0:0-0
Chemistry Co-op Work Term #4
Four-month co-op work term #4 approved by the department and arranged by the co-op coordinator.
***Prerequisite: CHEM 053 ***

CHEM 100 3:3-0
Introductory Chemistry
An introduction to the basic principles of chemistry. This course serves as an equivalent to high school chemistry and is intended primarily for students who require it as a prerequisite for CHEM 104.

CHEM 101 3:3-3
Chemistry of Food and Cooking
An introductory science course connecting chemical and biochemical principles with food and its preparation. Major components of food (lipids, proteins, carbohydrates, water) will be discussed alongside chemical foundations (atomic structure, acids and bases, enthalpy, reactivity). Traditional Knowledge of food preparation by First Nations will also be explored. Lab component: A kitchen-based food lab will highlight the scientific method.
Prerequisites: CHEM 30 or CHEM 100 (minimum 65%), BIOL 30 (minimum 65%)
Note: Biochemistry and Chemistry majors can use this course in their program as an open elective only.

CHEM 104 3:3-2
General Chemistry I
An introduction to the fundamental principles of chemistry. Topics discussed will include atomic structure, bonding, stoichiometry, enthalpy, solutions, organic compounds. Lab component: Introduction to standard chemistry laboratory techniques.
Prerequisite: CHEM 30 or CHEM 100 (minimum 65%)
Note: Students cannot receive credit for both CHEM 102 and CHEM 104

CHEM 105 3:3-2
General Chemistry II
A continuation of CHEM 104. Topics discussed will include kinetics, equilibrium, acids and bases, buffers, plastics, entropy and free energy, electrochemistry, nuclear chemistry. Lab component: Basic experiments demonstrating principles of equilibrium, thermodynamics, electrochemistry, and acids and bases.
Prerequisite: CHEM 104

CHEM 140 3:3-3
Organic Chemistry I
An introduction to organic chemistry. Organic functional groups, nomenclature, reactions and mechanisms. Lab component: Introduction to organic laboratory techniques.
Prerequisite: CHEM 104

CHEM 210 3:3-3
Analytical Chemistry I
An introduction to theoretical and practical aspects of quantitative analysis. Primary analyses, error analyses, data handling; solution equilibria and acid base titrations; spectrophotometry. Lab component: An introduction to analytical laboratory techniques.
***Prerequisite: CHEM 105 and 140, and PHYS 30 or PHYS 109 ***

CHEM 215 3:3-3
Analytical Chemistry II - Spectrochemical Analysis
Spectroscopic methods for structural characterization of organic and inorganic compounds: symmetry, infrared spectroscopy, mass spectrometry, nuclear magnetic resonance, and ultraviolet-visible spectroscopy. This course will emphasize practical aspects of spectroscopic methods. Lab component: Experimental spectroscopic techniques, spectral interpretation, and compound characterization.
Prerequisite: CHEM 105 and CHEM 140

CHEM 230 3:3-3
Inorganic Chemistry I
Properties of the elements; structure and bonding in inorganic molecules and materials; periodic trends. Descriptive chemistry of main group elements. Lab component: Synthesis and characterization of inorganic compounds.
Prerequisite: CHEM 105

CHEM 241 3:3-3
Organic Chemistry II
Organic functional groups, reactions and mechanisms. Carbonyl compounds, aromatic compounds, heterocyclic compounds. Lab component: Synthesis and characterization of organic compounds: aromatic, heterocyclic, and carbonyl compounds.
Prerequisite: CHEM 105 and 140

CHEM 250 3:3-3
Physical Chemistry I
Equilibrium and chemical thermodynamics. Lab component: Experiments in equilibria and thermodynamics.
Prerequisite: CHEM 105 and MATH 110

CHEM 251 3:3-3
Physical Chemistry II
Chemical kinetics and an introduction to molecular electronic spectroscopy. Lab component: Experiments in chemical kinetics and techniques in absorption and fluorescence.
Prerequisite: CHEM 250 and MATH 111

CHEM 312 3:3-3
Analytical Chemistry III - Instrumental Analysis
Introduction to instrumental chemical analysis techniques including: GC, HPLC, ion chromatography, flame AAS and OES, GFAAS, capillary electrophoresis, size exclusion chromatography. Lab component: Experiments in instrumental analysis.
Prerequisite: CHEM 210 and 215

Note: Students can only receive credit for one of CHEM 312 and BIOC 312

CHEM 330 3:3-3
Inorgranic Chemistry II
Chemistry of the transition metals. Coordination chemistry: structure and bonding, reactions, mechanisms, and spectroscopic properties. Organometallic chemistry. Lab component: Synthesis and characterization of coordination compounds.
Prerequisite: CHEM 215 and 230

CHEM 340 3:3-3
Organic Chemistry III
Stereochemistry and chemical reactivity of organic compounds. Lab component: Advanced organic lab techniques.
***Prerequisite: CHEM 241 ***

CHEM 360 3:3-0
Quantum Chemistry
Fundamental principals of quantum mechanics. Application of quantum mechanics to chemical and spectroscopic problems. Introduction to computational chemistry.
Prerequisite: CHEM 230, MATH 111, and PHYS 119 or 112

CHEM 390 3:3-3
Directed Readings - an AA-ZZ series.
Selected topics in Chemistry as defined by the individual instructor for courses at the intermediate level.

CHEM 391 3:3-0
Research Experience
This course is intended for students who wish to gain experience in chemical research under the supervision of a Chemistry/Biochemistry faculty member or a Chemistry professor at a Federated College. Students will carry out an independent research project, and will have an opportunity to develop an appreciation for experimental preparation, methods, analysis, and scientific report writing.
Prerequisite: Permission of the Chemistry/Biochemistry department head and the faculty member
Note: Research positions are limited. Students with a strong background in courses in the subdiscipline of research interest will be given preference
Note: Students can only receive credit for one of CHEM 391 and BIOC 391
Note: Students can use this course in their program as an elective only

CHEM 401 3:0-0
Honours Research
Honours chemistry students will carry out independent research under the supervision of a Chemistry/Biochemistry faculty member. Students are required to present a summation of their research progress.
Note: Students can only receive credit for one of CHEM 401 and BIOC 401

CHEM 402 3:0-0
Honours Thesis
A continuation of the research project started in CHEM 401. Students will complete their research projects, submit a written research thesis and give an oral presentation and defence of the thesis.
*Note: Students can only receive credit for one of CHEM 402 and BIOC 402. *

CHEM 411 3:3-0
Organic Chemical Analysis
An examination of analytical techniques applicable to analysis of organic compounds. Mainly focusing on principles of mass spectroscopy detection coupled to GC and LC chromatography techniques. Interpretation of mass spectra fragmentation patterns.
***Prerequisite: CHEM 312 ***

CHEM 431 3:3-0
Magnetic Resonance Spectroscopy in Inorganic Chemistry
Application of EPR and multinuclear NMR to the characterization of inorganic compounds and materials.
***Prerequisite: CHEM 330 ***

CHEM 433 3:3-0
Organometallic Chemistry of the Transition Metals
Basic principles of organometallic chemistry; synthesis, structure, bonding, and reactivity of organometallic compounds of the transition metals; reaction mechanisms; catalysis and metal mediated organic synthesis.
Prerequisite: CHEM 241 and 330

CHEM 440 3:3-3
Stereocontrol in Organic Synthesis
This course will emphasize the fundamentals and applications of key concepts in stereocontrolled organic reactions. Lab component: Synthesis of compounds that are either naturally occurring or structurally interesting.
Prerequisite: CHEM 215 and 340

CHEM 441 3:3-3
Modern Organic Synthesis
This course will discuss the concepts and strategies in synthesis of organic molecules. Lab component: Synthesis of compounds that are either naturally occurring or structurally interesting.
Prerequisite: CHEM 215 and 340

CHEM 444 3:3-0
Photochemistry
This course will be an introduction to molecular photochemistry. The primary photophysical and photochemical processes that occur in molecular systems will be discussed. Applications of photochemistry in synthesis, sensors, biomedicine, photovoltaics, photosynthesis, and vision will be examined.
Prerequisite: CHEM 241 and 251

CHEM 445 3:3-0
Supramolecular Chemistry
This course will be an introduction to supramolecular chemistry. The structure, stability, and dynamics of supramolecular complexes and assemblies will be discussed. Applications of supramolecular systems in biomolecular recognition, soft materials, and stimuli-responsive materials will be examined.
Prerequisite: CHEM 241 and 250

CHEM 461 3:3-3
Computational Chemistry
Electronic structure of molecules, molecular orbital theory, semi-empirical methods, ab initio methods, molecular mechanisms, use of computer programs.
Prerequisite: CHEM 251 and CHEM 360

CHEM 490 1-3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students. These courses are restricted to honours students.

CHEM 491 1-3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students. These courses are restricted to honours students.

CHEM 492 1-3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students. These courses are restricted to honours students.

CHEM 493 1-3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students. These courses are restricted to honours students.

CHEM 494 1-3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students. These courses are restricted to honours students.

CHEM 495 1-3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students. These courses are restricted to honours students.

CHIN Chinese (Mandarin)

Chinese classes, except CHIN 211 or 311, are not open to speakers of other Chinese dialects. Students who speak another Chinese dialect may register in CHIN 211 or CHIN 311 only.

CHIN 111 3:3-1
Introductory Mandarin Chinese I
This course will focus on introducing modern standard Chinese (Mandarin) language and culture, including the Chinese pronunciation system, essential vocabulary and grammar, reading and writing Chinese characters. Communicative competence and cross-cultural awareness are emphasized.
***Prerequisite: No previous background in Mandarin Chinese or other Chinese dialect. Refer to the Department of International Languages section (How to choose a language) in the Undergraduate Calendar for details. ***
Note: Students may not receive credit for CHIN 110 and 111.
Note: Formerly numbered CHIN 100. Students may receive credit for only one of CHIN 100 or 111.

CHIN 112 3:3-1
Introductory Mandarin Chinese II
This course is a continuation of CHIN 111, including review of the pronunciation system, building on vocabulary, structure, grammar and more characters with further emphasis on communicative competence and cross-cultural understanding.
***Prerequisite: CHIN 111 or Grade 12 Mandarin or permission of the Department. ***
*Note: Students may not receive credit for both CHIN 112 and 110. Refer to the Department of International Languages section (How to choose a language) for details. *
Note: Formerly numbered CHIN 101. Students may receive credit for only one of CHIN 101 or 112.

CHIN 211 3:3-1
Intermediate Chinese I
This course is designed to reinforce and further develop the material covered in introductory courses. Everyday speech patterms are stressed in order to strengthen communicative competence. Simplified short stories, poems, and idioms are introduced to further develop students? ability to read and write in both Chinese Pinyin and characters.
Prerequisite: CHIN 112 or 110 or permission of department
Note: Students may not receive credit for both CHIN 211 and CHIN 210
Note: Formerly numbered CHIN 102. Students may receive credit for only one of CHIN 102 or 211

CHIN 212 3:3-1
Intermediate Chinese II
A continuation of CHIN 211, this course will further the development of communicative skills using more complex structures in a culturally appropriate manner. Students are expected to write paragraphs in Chinese characters.
***Prerequisite: CHIN 211 or permission of the department. ***
*Note: Students may not receive credit for both CHIN 212 and CHIN 210. *
Note: Formerly numbered CHIN 200. Students may receive credit for only one of CHIN 200 or CHIN 212.

CHIN 290 1-3:3-0
Tutorials and Directed Readings in Mandarin Chinese - an AA-ZZ series.
These courses are designed to increase students' skills in reading, writing, comprehension and communication.
*** Permission of the department head may be required to register in some offerings. ***

CHIN 311 3:3-1
Intermediate Mandarin Chinese II
A continuation of CHIN 212, this course will further enhance the student's ability to comprehend and produce more complicated speech patterns. Edited Chinese classic works and modern literature are introduced to enhance students? cultural appreciation and reading comprehension. Students will recite short texts and produce letters and biographical information in Chinese characters.
***Prerequisite: CHIN 212 or permission of the department. ***
*Note: Formerly numbered CHIN 201. Students may receive credit for only one of CHIN 201 or 311. *

CHIN 312 3:3-1
Advanced Mandarin Chinese I
This course involves the comprehension of more complex topics that are closer to normal native speed and require extended vocabulary and knowledge of structure, grammar and culture. Reading and writing skills are further developed. Students are expected to use more sophisticated structures in their speaking and writing.
***Prerequisite: CHIN 311 or permission of the department. ***
Formerly numbered CHIN 300. Students may receive credit for only one of CHIN 300 or 312.

CHIN 361 3:3-0
Translation I
This course focuses on the theories and skills of translation from English to Chinese and from Chinese to English. Authentic texts of various genres will be included. A further focus is the comparison of the two languages and cultures including the vocabulary, grammar, and correct idiomatic usage, etc.
*Note: This class is for Chinese dialect speakers and those with advanced Mandarin. *
Note: Students may receive credit for only one of CHIN 390AB or CHIN 361

CHIN 390 3:3-0
Tutorials and Directed Readings in Mandarin Chinese - an AA-ZZ series.
These courses are designed to increase student's skills in reading, writing, comprehension and communication.
Permission of the Department may be required to register in some offerings

CHIN 411 3:3-1
Advanced Mandarin Chinese II
This course will strengthen students overall language and cultural proficiency. Authentic materials such as newspapers, magazines, news broadcastings, movies, TV shows and Chinese computer software will be used to improve communicative competence. Selected authentic Chinese classic works and examples of modern literature will be introduced and discussed to deepen students? appreciation of the Chinese language and culture and to develop a high level of sophistication in the use of the language.
Prerequisite: CHIN 312 or permission of the department.
Note: Formerly numbered CHIN 301. Students may receive credit for only one of CHIN 301 or 411.

CHIN 461 3:3-0
Translation II
This course is a continuation of CHIN 361. It will further enhance the skills and techniques of translation between English and Chinese. A wider selection of
authentic texts of various genres will be included. It will continue to focus on the comparison of the two languages and cultures including the vocabulary,
grammar, and usage, etc.
***Prerequisite: CHIN 361 or CHIN 390AB or permission of the Dept. ***
Note: Students may receive credit for only one of CHIN 490AA or CHIN 461.

CHIN 490 3:3-0
Advanced Tutorials and Directed Readings - an AA-ZZ series.
** Permission of the department head may be required to register in some offerings. **

CLAS Classical Studies

CLAS 100 3:3-0
An Introduction to the Civilizations of Greece and Rome
An introduction to Greek and Roman culture through analysis of its most significant elements. The course reviews in broad outline the main periods of Greek and Roman history, and incorporates discussion of some of the basic social, political, literary, philosophical, and artistic developments.

CLAS 110 3:3-0
Greek and Latin Elements in English
The contribution of the classical languages to modern English, including the vocabulary of the sciences. The course is intended for students in any discipline as a practical means of enhancing English vocabulary.

CLAS 120 3:3-0
Latin and Greek in Scientific Terminology
An introduction to the Latin and Greek roots of scientific terminology. Through a study of Greek and Latin word elements, principles of formation and pronunciation, this course provides students with an understanding of the technical terms employed in fields such as anatomy, biology and the health sciences.

CLAS 150 3:3-0
Introduction to Latin I
An introduction to classical Latin through analysis of some of the fundamental elements of its grammar, syntax, and vocabulary. Completion of the course will enable students to comprehend and translate basic sentences and passages. Discussion of various aspects of Roman literature and culture will complement language study.

CLAS 151 3:3-0
Introduction to Latin II
The follow-up course to Introduction to Latin I. Students will continue to learn many of the basic elements of Latin grammar and syntax in addition to expanding their acquisition of vocabulary. The course aims to improve students facility in translating Latin into English, and also English into Latin.
Prerequisite: CLAS 150 or permission of the instructor.

CLAS 160 3:3-0
Introduction to Ancient Greek I
An introduction to classical Greek through a study of its vocabulary, grammar and syntax. The course aims to have students translating basic sentences by the end of the term. Language instruction will also include discussion of fifth century Athenian culture and civilization.

CLAS 161 3:3-0
Introduction to Ancient Greek II
The follow-up course to Introduction to Ancient Greek I. Students will continue to expand their knowledge of Greek vocabulary and grammar, with emphasis placed on mastering the fundamental components of the language. By the end of the course will be translating longer passages excerpted or adapted from ancient authors.
Prerequisite: CLAS 160 or permission of the instructor.

CLAS 200 3:3-0
Classical Mythology
A survey of the main myths and legends of ancient Greece and Rome. The course examines many of the major myth cycles through a study of their expression in literature and the visual arts, the cultural context in which they were produced and transmitted, and some of the main theoretical approaches critics have adopted to interpret them.
Prerequisite: either CLAS 100, or completion of 15 credit hours, or permission of the instructor.

CLAS 210 3:3-0
Greek and Roman Epic
An introduction to epic poetry in the Greek and Roman literary traditions. Through study of such authors as Homer, Apollonius, and Virgil, students will learn about the main features and conventions of the genre, its history and evolution, and how the works operated within their respective cultural contexts.
Prerequisite: CLAS 100, or completion of 15 credit hours, or permission of the instructor.

CLAS 211 3:3-0
Greek and Roman Drama
An introduction to the dramatic texts and performances of Greek and Rome. The course prioritizes close readings of representative playwrights such as Euripides, Aristophanes, and Plautus. But there is also discussion of such topics as the conventions of performance and the social contexts of production.
Prerequisite: either CLAS 100, or completion of 15 credit hours, or permission of the instructor.
*Note: This course is cross-listed with THEA 350. Students may receive credit for one of CLAS 211 or THEA 350. *

CLAS 220 3:3-0
Women in Greece and Rome
A survey of the different lives, roles and representations of women in Greece and Rome within the context of changing historical circumstances. The course examines the subject through such categories as myth, class and sexuality and draws on evidence from a wide range of cultural production.
***Prerequisite: Completion of 15 credit hours ***

CLAS 230 3:3-0
Ancient Sport and Spectacle
Explore the sport, physical training, athletic competitions, and spectacles of the Classical world. Topics include the ancient Olympics, gymnasiums, athletic festivals, chariot races, gladiators, staged hunts and arena games in the Roman empire, sport and spectacle venues.
***Prerequisite: either CLAS 100, or completion of 15 credit hours, or permission of the instructor ***

CLAS 280 3:3-0
Cities of Rome and Pompeii
This course examines the cities of Rome and Pompeii as they existed and flourished in the ancient world. Through lectures, assigned readings, and visits to various sites it aims to explore the topography and architecture of the cities and to analyze their infrastructure and relationships with their environs.
***Prerequisite: either CLAS 100, or completion of 15 credit hours, or permission of the instructor ***

CLAS 290 3:3-0
Selected Topics in Classical Studies
A critical examination of some selected topics in Classical Studies.
***Prerequisite: CLAS 100, or completion of 15 credit hours, or permission of instructor ***

CLAS 291 3:3-0
Introduction to Classical Archeology
An exploration of the material cultures of pre-classical and classical civilizations of Greece and Rome. Particular attention will be paid to the ways in which archaeological methods contribute to our understanding of the history and culture of these civilizations.
Prerequisite: CLAS 100 or CLAS 200 or permission of department head

CLAS 390 3:3-0
Advanced Studies in Classical Studies
A critical examination of some selected topics in Classical Studies.
***Prerequisite: Four 200-level courses in classical studies, or permission of department head or instructor. ***

CNUR Collaborative Nursing Program

CNUR 100 3:3-3
Practice Education: Community Partnerships
This course will begin the focus on communication and collaboration in a service learning environment. Learners will have the opportunity to begin integration of values of social justice and of socioenvironmental perspectives, particularly the influence of social determinants of health. Mandatory 40 hours a term of Community Service Learning (CSL).
Prerequisite: CNUR 102
Note: CNUR 102 can be taken concurrently.

CNUR 101 3:0-7
Practice Education: Stable Populations
This course will focus on holistic care in long term care setting. Learners will have the opportunity to develop beginning skills to participate in, support, and advocate for resident-directed care.
Prerequisite: BIOL 111 or KIN 262 and CNUR 100, CNUR 102, CNUR 103, CNUR 106, and CNUR 107
Note: BIOL 111 or KIN 262, CNUR 103, CNUR 106 and CNUR 107 can be taken concurrently

CNUR 102 3:3-3
Foundations of Care I: A Developing Professional
This course introduces concepts of understanding of self, interpersonal relationships, and communication in the context of caring environments. Learners will have the opportunity to develop beginning fundamental nursing skills including safety, self care and mobility according to professional standards.

CNUR 103 3:3-3
Foundations of Care II: Professional Nursing
This course introduces the concept of primary health care, and continues the focus on health and the health care system as the basis for understanding the profession of nursing. Learners will have the opportunity to develop nursing skills necessary to practice in an interprofessional direct care environment.
Prerequisites: BIOL 111 or KIN 262 and CNUR 102
Note: BIOL 111 or KIN 262 can be taken concurrently

CNUR 106 3:3-0
Health and Education Across the Lifespan
This course will focus on concepts of growth and development that pertain to holistic nursing care of individuals throughout the lifespan, with emphasis on the teaching and learning principles applicable to each developmental stage. Learners will have the opportunity to critically examine the learning needs of individuals at varying life stages.

CNUR 107 3:1-2
Introduction to Health Assessment
This course will focus on basic health assessment of healthy individuals. Learners will have the opportunity to develop skills required to perform and document holistic and systematic assessmensts required for nursing practice.
Prerequisite: BIOL 111 or KIN 262 with a minimum grade of 60%
Note: BIOL 111 or KIN 262 can be taken concurrently

CNUR 201 3:2-2
Counselling and Therapeutic Use of Groups
This course will focus on the counselling role of nurses within the therapeutic relationship, individually and in groups. Learners will have the opportunity to develop competencies in promoting self-determination of individuals and groups toward optimum health and well-being.
Prerequisite: CNUR 102

CNUR 202 3:2-2
Pharmacology
This course will focus on the basic concepts related to pharmacology and responsibilities of health care professionals in safe administration of medications. The learners will have the opportunity to develop critical decision making competencies related to pharmacotherapeutics.
Prerequisite: BIOL 111 or KIN 262 with a minimum grade of 60%

CNUR 203 3:3-3
Alterations in Health and Advanced Assessment I
This course will focus on alterations in health of adults, and the associated nursing care, using selected scenarios. Learners will integrate nursing knowledge and critical thinking and principles of holistic assessment, pathophysiology, pharmacology, microbiology, nutrition and health education.
Prerequisite: CNUR 101, CNUR 107 and BIOL 222
Note: BIOL 222 can be taken concurrently

CNUR 204 3:3-3
Alterations in Health and Advanced Assessment II
This course will continue the focus on alterations in health of adults, and the associated nursing care, using selected scenarios and research. Learners will integrate nursing knowledge, critical inquiry and principles of holistic assessment, pathophysiology, pharmacology, microbiology, nutrition, and health education.
Prerequisite: CNUR 203

CNUR 205 3:0-10
Practice Education: Acute Cre Partnerships I
This course will focus on holistic care of adults in a variety of acute care settings. Learners will have the opportunity to apply nursing knowledge, informatics, and critical inquiry to inform clinical decision-making.
Prerequisite: CNUR 101, CNUR 202 and CNUR 203
Note: CNUR 202 and CNUR 203 can be taken concurrently

CNUR 206 3:0-13
Practice Education: Acute Care Partnerships II
This course will continue the focus on holistic care of adults in a variety of acute care settings. Learners will have the opportunity to apply nursing knowledge, informatics, research, and critical inquiry to inform clinical decision-making.
Prerequisite: CNUR 201, CNUR 204 and CNUR 205
Note: CNUR 204 can be taken concurrently

CNUR 207 3:3-0
Integrative Health Care
Learners will explore the variety of healing systems that inform and comprise client care in an interprofessional context. They will critically analyze current complementary and alternative health care options and explore their relationship with conventional therapies in the prevention and treatment of illness and disease and the promotion of health. Methods of coordination of multi-disciplinary and culturally specific health practices in an integrative health care system will be discussed.

CNUR 208 3:3-0
Spirituality and Health
Learners will explore interdisciplinary literature validating the role of spirituality in health promotion. Learners also will explore challenges, opportunities and best practices for offering culturally-safe spiritual care in an ethno-culturally diverse health care environment.

CNUR 209 3:3-0
Nursing Research Methods
This course will focus on knowledge uptake and utilization of both quantitative and qualitative research in the practice of nursing. A variety of research ethodologies will be discussed. The emphasis will be on research literacy: reading and understanding research based literature and the implications for nursing practice. Delivered in lecture and televised formats.
Note: Reserved for nursing students

CNUR 210 3:3-0
Selected Topics in Nursing - an AA-ZZ series
A critical examination of selected topics in nursing.

CNUR 211 0-6:4-3
Alterations in Health and Assessment I
This course will introduce holistic assessment and nursing care associated with alterations of health of adults. Learners will take a critical inquiry approach to decisions about practice, integrating learning from other courses.
Prerequisite: BIOL 222
Note: BIOL 222 can be taken concurrently

CNUR 212 0-6:3-13
Theory and Practice Education: Foundations of Care
This course introduces the provision of holistic care of adults as the basis for understanding the profession of nursing. Learners will develop fundamental nursing skills required to practice in an interprofessional care environment. The practice education component of the course will provide an opportunity for students to demonstrate application of nursing knowledge, informatics, and critical inquiry to inform clinical judgment and decision making in an acute care setting.
Prerequisite: CNUR 202 and CNUR 211
Note: CNUR 202 and CNUR 211 can be taken concurrently

CNUR 300 3:3-0
Family Health
This course will focus on nursing care of families within the context of culture, community and society. Learners will have opportunities to explore family diversity, holistic assessment of diverse families, and integrate health promotion and beginning interventions in caring for families in practice settings. Consists of mixed delivery format, including online.
Prerequisite: CNUR 204 and CNUR 206

CNUR 301 3:3-0
Leadership and Influencing Change
This course will focus on the study and application of leadership theory pertaining to accomplishing goals and attaining greater levels of achievement in all domains of nursing practice. Learners will have the opportunity to explore principles of effective nursing leadership and management in formal and informal nursing roles. Consists of mixed delivery format, including online.
Prerequisite: CNUR 204 and CNUR 206

CNUR 302 6:4-16
Theory and Practice Education: Child and Adolescent Partnerships
This course will focus on alterations in the health of children and adolescents within the context of family. Learners will have the opportunity to explore and apply theory of developmental stages, primary health care principles, advanced assessment skills, and provide holistic care to children in the varying levels of intervention (health promotion, restoration, rehabilitation and support), while integrating nursing knowledge and critical thinking, pathophysiology, pharmacology, microbiology, nutrition, counselling and health education. This course is taken in a six week block.
Prerequisite: CNUR 206 and CNUR 300
Note: CNUR 300 can be taken concurrently

CNUR 303 6:4-16
Theory and Practice Education: Family and Newborn Partnerships
This course will focus on the health of child-bearing mothers and infants within diverse family contexts. Learners will have the opportunity to explore and apply primary health care principles, advanced assessment skills, and provide holistic care to infants, mothers and family members in the phases of pregnancy, birthing, postnatal, and post partum experiences. There will be opportunities to collaborate within multidisciplinary and interprofessional teams in a variety of settings using the varying levels of intervention (health promotion, restoration, rehabilitation and support) while integrating nursing knowledge and critical thinking, pathophysiology, pharmacology, microbiology, nutrition, counselling and health education. This course is taken in a six week block.
Prerequisite: CNUR 206 and CNUR 300
Note: CNUR 300 can be taken concurrently

CNUR 304 6:4-21
Theory and Practice Education: Mental Health Partnerships
This course will focus on complex alterations in the mental health of adults. Learners will have the opportunity to explore and apply primary health care principles, advanced assessment skills, and provide holistic care to adults in the varying levels of intervention (health promotion, restoration, rehabilitation and support), while integrating nursing knowledge and critical thinking, pathophysiology, pharmacology, microbiology, nutrition, counselling and health education. This course is taken in a six week block.
Prerequisite: CNUR 206 and CNUR 300
Note: CNUR 300 can be taken concurrently

CNUR 305 6:4-21
Theory and Practice Education: Advanced Acute Care Partnerships
This course will focus on complex alterations in the health of adults. Learners will have the opportunity to explore and apply primary health care principles, advanced assessment skills, and provide holistic care to adults in the varying levels of intervention (health promotion, restoration, rehabilitation and support), while integrating nursing knowledge and critical thinking, pathohysiology, pharmacology, microbiology, nutrition, counselling and health education. This course is taken in a six week block.
Prerequisite: CNUR 206 and CNUR 300
Note: CNUR 300 can be taken concurrently

CNUR 400 3:3-0
Social, Political and Economic Perspectives in Nursing
This course will focus on the roles and competencies of the nurse within the context of the health care system and the larger society as they relate to community, provincial, national and global health. Learners will have the opportunity to further explore the social determinants of health and the legal, ethical and political issues and policies that impact population health.
Prerequisite: INHS 100, CNUR 204 and CNUR 206
Note: INHS 100 can be taken concurrently

CNUR 401 6:2-0
Theory and Practice Educaton: Population Health and Community Partnerships
This course will focus on community and population health. Learners will have the opportunity to explore nursing roles and integrate primary health care and nursing theory and practice related to community health and development in a variety of community settings.
Prerequisites: CNUR 302, CNUR 303, CNUR 304 and CNUR 305

CNUR 402 3:3-0
Health Promotion with Senior Adults and Rural and Remote Populations
This course will continue to focus on alterations in health of senior adults, and examine health promotion and nursing roles in rural and remote communities. Learners will have the opportunity to develop a deeper understanding of gerontology, and the key issues related to applying the principles of primary health care and interprofessional practice with rural and remote populations. Mixed delivery format, including online.
Prerequisite: CNUR 300 and CNUR 401
Note: CNUR 401 can be taken concurrently

CNUR 403 6:0-36
Focused Practice
This course will provide learners the opportunity to consolidate theory and prepare for assuming the role of registered nurse in a focused practice area. This course is taken in a six week block.
Prerequisite: Must have completed 108 credit hours of the nursing program with a minimum 65.00% average in required CNUR courses and a minimum 65.00% PGPA

CNUR 404 6:0-36
Transition to Practice
This course will provide opportunities for learners to integrate theory and practice in an acute care setting with an emphasis on evidence-informed practice and leadership, in preparation for assuming the role of a registered nurse. This course is taken in a six week block.
Prerequisite: Must have completed 108 credit hours of the nursing program with a minimum 65.00% average in required CNUR courses and a minimum 65.00% PGPA to register

CREE — Cree

CREE 100 3:3-0
Elementary Cree I
Introduction to Cree: basic oral expression, grammar, and practice with electronic learning materials. No prior knowledge of Cree is assumed.
*NOTE: Students with standing in CREE 100 will not receive credit for CREE 104. *

CREE 101 3:3-0
Elementary Cree II
A continuation of CREE 100. Further grammar and oral practice in Cree. This course completes preparation for CREE 202.
***Prerequisite: CREE 100 ***

CREE 104 3:3-0
Cree Grammar and Orthography I
This course is designed for students who seek grammatical and literary knowledge of Cree. Emphasis is on writing in the standard Roman orthography and on grammatical structures.
*Note: Students with standing in CREE 100 will not receive credit for CREE 104. *

CREE 105 3:3-0
Cree Grammar and Orthography II
A continuation of CREE 104. Further writing practice, grammar, and an introduction to short compositions.
*** Prerequisite: CREE 104 ***
*Note: Students with standing in CREE 101 will not receive credit for CREE 105. *

CREE 150 6:9-3
Cree Immersion I
This course will focus on listening and speaking skills by integrating linguistic functions with cultural knowledge. Students will acquire the level of competence needed to be functional within a relatively narrow range of familiar topic areas.
*Note: Students may receive credit for either CREE 150 or CREE 100 and/or CREE 101. *

CREE 202 3:3-0
Intermediate Cree I
This course is a continuation and integration of the Cree oracy and literacy skills introduced at the 100-level. Intermediate grammatical structures are introduced through oral practice and the study of oral and written literature.
***Prerequisite: CREE 101 or CREE 105 ***

CREE 203 3:3-0
Intermediate Cree II
A continuation of CREE 202. Further oral and written practice in Cree. This course completes preparation for all senior CREE courses.
***Prerequisite: CREE 202 ***

CREE 206 3:3-0
Cree Linguistics
Linguistic concepts for the scientific analysis of Cree, with comparison to the closely related Algonquian language Saulteaux. Application to language teaching.
***Prerequisite: CREE 101 or CREE 105 or permission of the department head ***

CREE 225 3:3-0
Cree Transcription
This course will reinforce the standard roman orthography for Cree and present ample opportunity to increase one's ability at transcribing spoken Cree from both oral and audio-taped sources.
***Prerequisite: CREE 203 ***

CREE 230 3:0-0
Cree Syllabics
Introduction to the Cree syllabics writing system. Reading and writing in syllabics.
*** Prerequisite: CREE 101 or permission of the department head ***

CREE 250 6:9-3
Cree Immersion II
This course will bring participants to an intermediate level of proficiency. It will be complemented by examination and usage of grammatical structures, cultural elements, and the study of oral and written literature.
Prerequisites: CREE 150 or CREE 100 and CREE 101.
*Note: This course can be counted as an elective but cannot be used toward the main requirements of degree programs. *
*Note: This course will also be available as a non-credit option for those outside the university community. *

CREE 305 3:3-0
Expository Writing in Cree
Study and analysis of non-fiction literature in Cree, such as biography, history, politics, news stories, narratives, and technical writing; practice in writing and revision.
***Prerequisite: CREE 203 ***

CREE 325 3:3-0
Translation I: Cree-English
A comparison of Cree and English stylistics with practical exercises in written translation, primarily from Cree to English.
***Prerequisite: CREE 225 ***

CREE 340 3:3-0
Oral Tradition of Cree
Stories and legends on audio and video cassettes will be analyzed and transcribed by students. Storytelling sessions by students and elders. Visiting lecturers will also be included in the course.
***Prerequisite: CREE 203 or permission of the department head ***

CREE 390 3:3-0
Selected Topics in Cree
Courses designed as required for senior undergraduate.
Prerequisite: One 300-level Cree course or permission of the head of the Department of Indigenous Languages, Arts and Cultures.

CREE 405 3:3-0
Creative Writing in Cree
Students will continue to practice writing techniques, compose original material in Cree, and critique published materials as well as each other's work.
***Prerequisite: CREE 305. ***

CREE 425 3:3-0
Translation II: English-Cree
A comparison of Cree and English stylistics with practical exercises in written translation, primarily from Cree to English.
***Prerequisite: CREE 325 ***

CREE 490 1-3:3-0
Directed Research in Cree - an AA-ZZ series.
Courses designed as required for senior undergraduates.
***Prerequisite: Three 300-level Cree courses ***
** Permission of the department head is required to register. **

CS Computer Science

CS 051 0:0-0
Computer Science Co-op Work Term
Four-month co-op work term approved by the department and arranged by the co-op co-ordinator.

CS 052 0:0-0
Computer Science Co-op Work Term
Four-month co-op work term #2 approved by the department and arranged by the co-op coordinator.
***Prerequisite: CS 051 ***

CS 053 0:0-0
Computer Science Co-op Work Term
Four-month co-op work term #3 approved by the department and arranged by the co-op coodinator.
***Prerequisite: CS 052 ***

CS 054 0:0-0
Computer Science Co-op Work Term
Four-month co-op work term #4 approved by the department and arranged by the co-op coordinator.
***Prerequisite: CS 053 ***

CS 055 0:0-0
Computer Science Co-op Work Term
Four-month co-op work term #5 approved by the department and arranged by the co-op coordinator.
***Prerequisite: CS 054 ***

CS 100 3:3-2
Introduction to Computers
Introduction to the development of computers and computer applications. Topics will include: impact of computers on society, computer organization and operation, construction and representation of algorithms, and applications of computers in the problem-solving process.
Note: This class may not be taken for credit if credit has been received for any course numbered above CS 100

CS 110 3:3-2
Programming and Problem Solving
An introduction to problem-solving techniques, the fundamental concepts of programming, and the software design process. Topics will include: data types, control structures, scope rules, functions, files, and the mechanics of running, testing and debugging. Problems will be drawn from various science disciplines. ***Prerequisite: Precalculus 30, Calculus 30, or Math 102***
Note: CS majors who have mastered the course material in CS 110 through other means are eligible to write the CS 110 bypass exam.

CS 115 3:3-2
Object-Oriented Design
This course focuses on the concepts of object-oriented programming. Topics include data abstraction, classes, composition and inheritance, subtyping, dynamic binding, polymorphism and dynamic memory management. Other topics include type systems, two-dimensional arrays, records, references, searching and sorting algorithms, language translation. Software engineering: comprehensibility, correctness, efficiency, refactoring.
Prerequisite: MATH 110 (may be taken concurrently) plus CS 110 with a minimum grade of 65%

CS 201 3:3-2
Introduction to Digital Systems
Hardware paradigms, logic minimization, sequential and combinational circuits, register transfer notation. Numerical data representation, number bases, floating-point and two?s-complement representation, representation of non-numeric data, records and arrays. Von Neumann architecture, control units, instruction sets, assembly language programming, addressing modes, subroutines, basic building blocks, computer components.
Prerequisite: CS 110

CS 203 3:3-0
Java Programming and Applications
Learn to program in the Java programming language. Topics will include the basic building blocks of procedural programming, object-oriented programming, event-oriented programming, graphical user interfaces, simple data structures including arrays and linked lists, and advanced topic including recursion and threads. Problems will be drawn from various science and engineering disciplines.
***Prerequisite: CS 115. ***

CS 205 3:3-2
Introduction to Multimedia Systems
Multimedia is the use of computers to integrate texts, graphics, video, animation, and sound in an interactive experience. The course introduces these elements of multimedia and their associated technologies. Students will gain an appreciation of each element and be able to combine them into a finished work.
Prerequisite: CS 110
Note: Students may not receive credit for more than one of CS 205, CS 325, CS 390AI, CS 490BM, and FILM 385AB

CS 207 3:3-1
Building Interactive Gadgets
An introduction to building and controlling interactive devices for multimedia art and DIY projects. Build robots, new musical instruments, wearable computers and more. Learn about sensots and actuators: WiFi, Bluetooth, GPS; hardware platforms such as the Arduino; and software platforms such as Processing and MaxMSP. ***Prerequisite: CS 100 or CS 110 or completion of 30 credit hours.***

CS 210 3:3-2
Data Structures and Abstractions
This course introduces data abstraction, data structures and their implementations, the basics of algorithmic analysis, and the fundamental computing algorithms. Topics include stacks, queues, heaps, recursion, Master Theorem, asymptotic notation, computational complexity, empirical performance measurement, recursion based sorting algorithms, hashing, and trees (including binary trees, B-trees, and AVL trees).
***Prerequisite: CS 115 and MATH 110 ***

CS 215 3:3-2
Web and Database Programming
This course shows how interactive database-driven web applications are designed and implemented. Appropriate protocols and languages for web and database programming will be discussed, with a focus on client-server architectures, interface design, graphics and visualization, event-driven programming, information management, data modeling, and database systems.
Prerequisite: CS 210

CS 261 3:3-2
Methods in Numerical Analysis
Topics will include number systems and errors, solutions of polynomial and other nonlinear equations, interpolation, numerical differentiation and integration, and the cubic spline.
Prerequisite: CS 110 or 115, MATH 111 and 122
Note: Students will receive credit for only one of CS 261 or MATH 261

CS 270 3:3-0
Management Information Systems
Types, sources and uses of data in organizations. The steps required and the types of equipment available to store and recover data. Analysis of the steps required in the development of a data processing system. Feasibility studies and system analysis techniques. Introduction to data base systems. Management of data processing systems.
***Prerequisite: CS 100 or 110, and ENGL 100 ***

CS 271 3:3-1
Programming for Business Applications
An introduction to the basic elements of file processing and structured COBOL programming. Modular design of programs and documentation techniques are presented. The student will become familiar with the syntax and logical structure of COBOL by applying it to a sequence of increasingly complex business applications programs.
***Prerequisite: CS 110 and 270 ***

CS 280 3:3-0
Risk and Reward in the Information Society
Social context of computing. Case study: human-computer interfaces and their evaluation. Methods and tools of analysis. Professional and ethical responsibilities. Risks and liabilities of computer-based systems. Intellectual property, privacy and civil liberties. Professional communication. Sustainability. Cybercrime.
***Prerequisite: ENGL 100 and CS 110 ***

CS 290 1-3:3-0
Selected Topics - an AA-ZZ series.
Selected topics courses are used to offer courses in topical material. No more than a total of 6 credit hours of CS 290-295 may be credited towards a major in Computer Science.

CS 291 1-3:3-0
Selected Topics - an AA-ZZ series.
Selected topics courses are used to offer courses in topical material. No more than a total of 6 credit hours of CS 290-295 may be credited towards a major in Computer Science.

CS 292 1-3:3-0
Selected Topics - an AA-ZZ series.
Selected topics courses are used to offer courses in topical material. No more than a total of 6 credit hours of CS 290-295 may be credited towards a major in Computer Science.

CS 293 1-3:3-0
Selected Topics - an AA-ZZ series.
Selected topics courses are used to offer courses in topical material. No more than a total of 6 credit hours of CS 290-295 may be credited towards a major in Computer Science.

CS 294 1-3:3-0
Selected Topics - an AA-ZZ series.
Selected topics courses are used to offer courses in topical material. No more than a total of 6 credit hours of CS 290-295 may be credited towards a major in Computer Science.

CS 295 0-3:3-3
Selected Topics - an AA-ZZ series.
Selected topics courses are used to offer courses in topical material. No more than a total of 6 credit hours of CS 290-295 may be credited towards a major in Computer Science.

CS 301 0-3:3-2
Digital Systems Architecture
Latency and bandwidth, cache memory, virtual memory, data compression, fault handling. Fundamentals of I/O, interrupts, external storage, buses, networks, multimedia support. Multiprocessor and parallel architectures, parallel decomposition, pipelining, shared memory systems, interconnection networks, cache consistency, memory consistency. Computational paradigms, performance evaluation, and effect of proximity.
***Prerequisite: CS 201 ***

CS 310 3:3-0
Discrete Computational Structures
Finite and discrete algebraic structures relating to computers; sets, functions, relations. Machine-oriented logic. Combinatorial problems and algorithms. Finite automata and formal language theory.
***Prerequisite: MATH 110 or 105, 122, 221, and CS 210 ***
*Note: It is recommended that students take STAT 160 or STAT 200 in addition to the prerequisite before attempting CS 310. *

CS 315 3:3-3
Introduction to Computer Graphics
Introduction to graphics hardware and software. Two-dimensional graphics rendering algorithms. Basic three-dimensional modeling, transformations, viewing geometry, lighting and shading, hidden surface removel, and texture mapping.
***Prerequisite: CS210 and MATH 122 ***

CS 320 3:3-0
Introduction to Artificial Intelligence
Foundations and main methods of Artificial Intelligence. Problem characteristics and spaces. Search and optimization techniques with a focus on uninformed and heuristic algorithms. Two player games and constraint satisfaction. Modelling and simulation. Comparison of logic-based, fuzzy, and probabilistic reasoning and knowledge representation methodologies. Machine learning: learning tasks, inductive learning, statistical-based learning, over-fitting, accuracy.
***Prerequisite: CS 210, STAT 160 or 200, and MATH 221 ***

CS 330 3:3-2
Introduction to Operating Systems
Overview of operating systems: functionality, and design issues. Operating system principles: structures, abstractions, APIs, resource allocation, proximity, virtualization. Concurrency: process state, context switches, process communication, synchronization. Scheduling: preemption, schedulers, processes, and threads. Memory management. Security and protection. File systems. User interface. Distributed algorithms: consensus, termination, and fault tolerance.
***Prerequisite: CS 210 ***

CS 335 3:3-0
Computer Networks
Network architectures and protocols, networked applications, reliable data delivery, routing and forwarding, local area networks, resource allocation, mobility, reliability through redundancy. Security: secure design, defensive programming, threats and attacks, network security, cryptography.
***Prerequisite: CS 210, and STAT 160 or 200 ***

CS 340 3:3-0
Advanced Data Structures and Algorithm Design
Fundamental algorithms: depth- and breadth-first traversals, pattern matching, and graph algorithms. Algorithmic strategies: brute-force, greedy, divide-and-conquer, backtracking, branch-and-bound, dynamic programming, and randomized. Algorithm analysis, complexity theory, performance evaluation. Parallelism: fundamentals, algorithms, communication.
***Prerequisite: CS 210 ***

CS 350 3:3-0
Programming Language Concepts
Programming language genealogy and design. Imperative, functional, and object-oriented language paradigms. Context-free grammars and syntax trees. Data types, control structures, exception handling, data abstraction, information hiding, and non-determinism. Program representation, translation, and execution. Functional programming: advantages, constructs, closures, and higher-order operations. Parallel programming.
***Prerequisite: CS 210 ***

CS 361 3:3-0
Numerical and Symbolic Computing
Least squares and other approximations. Difference equations. Solutions of algebraic systems. Symbol manipulators - Mathematica.
Prerequisite: CS 261 or MATH 261 and MATH 213 with grades of at least 60%

CS 372 3:3-0
Software Engineering Methodology
Fundamental principles of designing programs and developing large software systems that meet specifications and that are safe, secure, reliable and maintainable. Software process models, software project management, requirements engineering, software design, software construction, software verification and validation, software tools and environments, software evolution, software reliability.
***Prerequisite: CS 215 ***

CS 375 3:3-0
Database and Information Retrieval
Information management: concepts and applications. Motivation for database systems. Components of database systems. Data modeling: conceptual, spreadsheet, relational, object-oriented, and semi-structured models. Querying and database query languages. Caching and transaction processing. Other topics include distributed databases, physical database design, and information retrieval systems.
***Prerequisite: CS 215 ***

CS 390 1-3:3-0
Selected Topics - an AA-ZZ series.
Selected topics courses are used to offer courses in topical material. No more than 6 credit hours of CS 390-395 may be credited towards a major in Computer Science.

CS 391 1-3:3-0
Selected Topics - an AA-ZZ series.
Selected topics courses are used to offer courses in topical material. No more than a total of 6 credit hours of CS 390-395 may be credited towards a major in Computer Science.

CS 392 1-3:3-0
Selected Topics - an AA-ZZ series.
Selected topics courses are used to offer courses in topical material. No more than a total of 6 credit hours of CS 390-395 may be credited towards a major in Computer Science.

CS 393 1-3:3-0
Selected Topics - an AA-ZZ series.
Selected topics courses are used to offer courses in topical material. No more than a total of 6 credit hours of CS 390-395 may be credited towards a major in Computer Science.

CS 394 1-3:3-0
Selected Topics - an AA-ZZ series.
Selected topics courses are used to offer courses in topical material. No more than a total of 6 credit hours of CS 390-395 may be credited towards a major in Computer Science.

CS 395 0-3:3-3
Selected Topics - an AA-ZZ series.
Selected topics courses are used to offer courses in topical material. No more than a total of 6 credit hours of CS 390-395 may be credited towards a major in Computer Science.

CS 401 3:3-0
Advanced Digital Systems Architecture
Advances in computer architecture. Topics will be selected from performance enhancements, digital signal processing architectures, architectures for networks and distributed systems, architectures for mobile devices, and recently proposed architectures.
***Prerequisite: CS 301 ***

CS 405 3:3-0
Computer Graphics
Advanced topics in computer graphics, including special modeling techniques for natural phenomenon, advanced illumination models and rendering algorithms.
***Prerequisite: CS 315 ***

CS 408 3:3-0
Animation Software Design
This course teaches the design and implementation of software for creating animations. Topics include history of animation, technical background, motion control, keyframe-based animation, kinematics, physically based animation, fluid animation, modelling and animating human figures, facial animation, modelling behavior, and special models for animation.
Prerequisite: One of CS 315, CS 320, CS 330, or CS 340

CS 409 3:3-0
Interactive Entertainment Software
This course teaches the design and implementation of interactive entertainment software, including computer games. Topics include history of interactive software, social factors, principles of interactive entertainment, hardware platforms, current software development tools, game design, game architecture, game physics, collision detection, game graphics, artificial intelligence for games, audio, game production and business aspects.
***Prerequisite: One of CS 315, CS 320, CS 330, or CS 340. ***

CS 410 3:3-0
Inroduction to Compiler Design
High-level programming language specification. Lexical and syntactic structure, regular expression, finite automata, and lexical analyzer. Context-free grammars and parsing. LR parsers. Symbol tables. Storage allocation. Code optimization and generation.
***Prerequisite: CS 310 and 340 ***

CS 411 3:3-0
Computability and Formal Languages
The notion of effective procedure and Turing machine. The universal Turing machine. Nondeterministic Turing machine. Recursive functions and other computable functions. The halting problem and unsolvability. Grammar and formal language. Finite automata and regular grammars. Context-free grammars and push-down automata. Post correspondence problem. The Chomsky hierarchy of languages and context-sensitive language.
***Prerequisite: CS 310 ***

CS 412 3:3-0
Algorithm Analysis
A formal algorithmic language. Measures of complexity for time and space. Worst-case, average-case, and best-case analysis. Lower and upper bounds of algorithms (techniques include comparison trees, adversary arguments, and reduction). P and NP classes. NP-hardness and NP- completeness. Introduction to parallel computational models and algorithms.
***Prerequisite: CS 310 and 340 ***

CS 421 3:3-0
Advanced Artificial Intelligence
Advanced Artificial Intelligence approaches to approximate reasoning and machine learning. Decision trees and other selected data-based knowledge models. Topics may include logic programming and PROLOG, LISP, Artificial Intelligence in games, data mining, natural language processing, pattern recognition, and planning.
***Prerequisite: CS 310, 320, and 340 ***

CS 425 3:3-3
Image Processing
Introduction to image processing systems. Image transformation. Image enhancement. Image coding and compression. Feature extraction and image segmentation.
***Prerequisite: CS 340, MATH 111 and 122 ***

CS 427 3:3-0
Introduction to Computer Audio
The purpose of this course is to provide a broad overview of many areas of computer audio, including: Digital representation and compression; Psychoacoustics; Surround Sound; Speech recognition and Music Information Retrieval; MIDI and New interfaces for music; and video game sound. We will also explore modular interactive software environments such as Max/MSP and PD.
Prerequisite: CS 315, or CS 320, or CS 340
Note: Students may not receive credit for more than one of CS 327, CS 427, and CS 490BX

CS 428 3:3-0
Human Computer Communications
This course stresses the importance of good interfaces and the relationship of user interface design to human-computer interaction. Other topics include: interface quality and methods of evaluation; interface design examples; dimensions of interface variability; dialogue genre; dialogue tools and techniques; user-centered design and task analysis; prototyping and the iterative design cycle; user interface implementation; prototyping tools and environments; I/O devices; basic computer graphics; color and sound.
Prerequisite: CS 215 and CS 280
Note: Students may not receive credit for more than one of CS 305 and CS 428

CS 430 3:3-0
Advanced Topics in Operating Systems
Advanced operating system concepts. Topics include one or more of the following: distributed systems, real-time operating systems, intelligent networks, communications protocols, and database process control within a client-server framework.
***Prerequisite: CS 330 ***

CS 435 3:3-0
Cryptography and Network Security
Classical cryptosystems, data encryption standards, advanced encryption algorithms, public key cryptosystems, digital signatures, IP security, and web security.
***Prerequisite: CS 335 ***

CS 437 3:3-0
Information Visualization
Focuses on design, development, and study of interactive visualization techniques for the analysis, exploration, and explanation of abstract information. Topics covered: principles of visual perception, information data types, visual encodings of data, representations of relationships, interaction methods, evaluation techniques.
Prerequisite: CS 215 and one of CS 205 or CS 315

CS 455 3:3-0
Mobile Computing
Mobile Computing focuses on the design and implementation of software in a networked mobile environment. The primary topics to be covered in the course include software development practices, network computing, graphics programming, and human-computer interaction, all focused on the challenges and opportunities afforded by modern mobile computing devices.
Prerequisite: CS 340 and one of CS 205, CS 315, or CS 335

CS 461 3:3-0
Advanced Topics in Numerical Analysis
Numerical solutions of ordinary differential equations. Numerical solutions of partial differential equations. Linear and non-linear problems.
Prerequisite: CS 361 or MATH 361 with a grade of at least 60%

CS 473 3:3-0
Management Support Systems
Strategic and tactical rewards resulting from the effective use of corporate information systems will be presented. Topics include techniques and tools for developing management support systems. Case studies on development and use of the systems will be discussed.
***Prerequisite: CS 372 ***

CS 475 3:3-0
Advanced Topics in Database Systems
Advanced database systems concepts. Topics include one or more of the following: in-depth study of topics covered in CS 375; inclusion dependency and semantic data models; object-oriented databases; probabilistic databases; Web databases; data mining.
Prerequisites: CS 375

CS 476 3:3-0
Software Development Project
Software development projects following all the phases of the software process. Project planning and scheduling. Surveys on architectural styles, design patterns and components. Term-long group projects with real-world applications. Projects will be integrative, require evaluation of potential solutions, and require work on a larger scale than typical course projects.
Prerequisite: CS 372

CS 490 0-3:3-3
Selected Topics/Directed Readings - an AA-ZZ series.
A special topics course in which the student completes an independent study in computer science under the supervision of a faculty member in the department.
** The student and the supervisor must present a detailed outline of the proposed study to the head of the department for approval prior to registration. **

CS 491 3:3-0
Selected Topics/Directed Readings - an AA-ZZ series.
A special topics course in which the student completes an independent study in computer science under the supervision of a faculty member in the department.
** The student and the supervisor must present a detailed outline of the proposed study to the head of the department for approval prior to registration. **

CS 492 3:3-0
Selected Topics/Directed Readings - an AA-ZZ series.
A special topics course in which the student completes an independent study in computer science under the supervision of a faculty member in the department.
** The student and the supervisor must present a detailed outline of the proposed study to the head of the department for approval prior to registration. **

CS 493 3:3-0
Selected Topics/Directed Readings - an AA-ZZ series.
A special topics course in which the student completes an independent study in computer science under the supervision of a faculty member in the department.
** The student and the supervisor must present a detailed outline of the proposed study to the head of the department for approval prior to registration. **

CS 494 3:3-0
Selected Topics/Directed Readings - an AA-ZZ series.
A special topics course in which the student completes an independent study in computer science under the supervision of a faculty member in the department.
** The student and the supervisor must present a detailed outline of the proposed study to the head of the department for approval prior to registration. **

CS 495 3:3-0
Selected Topics/Directed Readings - an AA-ZZ series.
A special topics course in which the student completes an independent study in computer science under the supervision of a faculty member in the department.
** The student and the supervisor must present a detailed outline of the proposed study to the head of the department for approval before registration. **

CS 497 3:3-0
Digital Media Project
To be taken in the final term of the Digital Content Development program. An individual digital content development project will be completed under the direction of a faculty member.
**Written approval of department head (or designate) is required to register. **

CS 498 0:0-0
Honours Oral
All honours computer science students are required to register for this course in the term in which they plan to do their oral examination. The course will be graded C (credit) or N (no credit).

CS 499 0:1-0
Honours Seminar
This course is to be taken by all honours computer science students in both terms of their fourth year. The student is required to attend all seminars and, in addition, to present a topic that will be determined in consultation with a faculty member in Computer Science.

CTCH Creative Technologies

CTCH 110 3:3-0
Introduction to Creative Technologies
This course investigates the creative use of technology. It explores how computer hardware and software, machinery and gadgets and devices, and networks (including social networks) are used in the production of works of visual art, music, theatre, film and new media; and how creativity shapes new technologies. No prerequisite.
Note: May not receive credit for both CTCH 110 and FA 169AA
Note: Creative Technologies Program Option

CTCH 111 3:3-0
Creative Technologies Processes
This course investigates the creative uses of technologies and how various technologies are used in the production of visual arts, film, music, theatre and new media and how creativity shapes new technologies. Will include hands on activities
Note: Creative Technologies Program Option.

CTCH 200 0-6:6-6
Selected Topics in Creative Technologies
Note: Creative Technologies Program Option

CTCH 201 3:2-2
Introduction to Sound Art
This course introduces the artistic practice of sound art. It covers a range of sound art practices including avant-garde sound, Musique Concrete, sound and 1960s art movements, electroacoustic music, sound sculpture, radio art, Acoustic Ecology, community-engaged sound art, sound art in performance, and new media. Includes practical exercises.
Prerequisite: Successful completion of 15 credit hours, or permission of the instructor
Note: Students may not receive credit for CTCH 201 and/or CTCH 200 AA and/or FA 269AB 001 and/or ENEL 496AD
Note: Creative Technologies Program Option

CTCH 202 0-3:2-2
The Tablet Orchestra
This class explores the potential of the tablet as a musical instrument, and as a tool to enhance music teaching, learning, composing, and performing. All enrolled students will participate in a new performance ensemble "The University of Regina Tablet Orchestra". Music students, computer science students and those interested in experimental performance are encouraged to enroll.
Prerequisite: Successful completion of 15 credit hours, or permission of the instructor
Note: Students may not receive credit for CTCH 200 AB and CTCH 202
Note: Creative Technologies Program Option

CTCH 203 3:3-3
Introduction to Media and Communication
Key topics in media and communication such as: theories of media and communication; technology as social practice; digital and interactive media; television and advertising; global media; online media; surveillance; alternative and tactical media; perceptual media.
Note: Students may not receive credit for FA 269AC and CTCH 203
Note: Creative Technologies Program Option

CTCH 204 3:3-0
Introduction to New Media Graphic Design
This course investigates design strategies for creative technologies and new media.
Prerequisite: Successful completion of 15 hours, or permission of the instructor
Note: Students cannot receive credit for CTCH 200AD and CTCH 204.
Note: Creative Technologies program option.

CTCH 205 3:3-0
Hip Hop Cultures, Politics, Identities
This course is an exploration of local and global hip hop cultures, politics and identities. Students will be expected to engage in both critical analysis and hip hop cultural production.
Note: Students cannot receive credit for CTCH 200AC and CTCH 205.
Note: Creative Technologies program option.

CTCH 210 1.5-6:6-6
Selected Topics in Creative Technologies
New studio course to be developed to allow for specialized topics/subjects as required for groups of undergraduates students.
Note: Creative Technologies Program Option

CTCH 211 0-3:3-3
Digital Studio Tools
This studio course explores the creative opportunities available when working digitally in the areas of fine art, illustration and graphic design. Throughout this course students will work towards the production of a portfolio of digital works that will include digital painting, digital collage, vector illustrations, typography, layout design and photographic manipulations. Modules will include introductory and intermediate skills in Adobe Photoshop, Adobe Illustrator, and Adobe InDesign as well as learning how to incorporate scanned artwork or photography into works for both print and screen.
Note: Students may only receive credit for one of CTCH 210AA and CTCH 211

CTCH 212 3:0-0
Audio Tools
A basic course including practical guidance in the setup and use of audio and electronic equipment, and in learning to write and perform music using commercial, open?source and DIY audio tools with the computer. Designed to be useful to students regardless of literacy in music reading and notation, this course welcomes students of varied experience and background in music, creative sound and computers.
Prerequisite: 30 credit hours or permission of instructor.

CTCH 220 3:3-0
Selected Topics in Creative Technologies
New lecture course to be developed to allow for specialized topics/subjects as required for groups of undergraduates students.
Note: Creative Technologies Program Option

CTCH 300 3-6:6-6
Selected Topics in Creative Technologies
New course to be developed to allow for specialized topics/subjects as required for groups of senior undergraduates.
Conceivably could be cross-listed with either CS or FA if required.
Prerequisite: Successful completion of 30 credit hours or permission of instructor
Note: Creative Technologies Program Option

CTCH 301 3:3-0
Play: interactions in new media
Play is a hands-on studio course exploring participation and interaction in new media art practice. Students will build projects in the areas of interactive installation, data visualization and public intervention.
Prerequisite: CS 207 or CTCH 202 or CTCH 204 or permission of instructor *Note: Creative Technologies Program Option*

CTCH 303 0-3:3-3
Technology and Culture
The aim of this course is to understand technology as a social practice. It will focus on issues concerning the intersections between technology and social life from a multidisciplinary perspective. Topics include: the nature of technology; history of technology; theories of technology; technological determinism and fetishism; technology and bodies; gender and media; digital and interactive media; technology and representation.
Prerequisite: CTCH 203
Note: Creative Technologies Program Option

CTCH 304 3:3-0
Media Empires
This course offers an interdisciplinary approach to historical patterns of technological development, and the institutional, ideological, aesthetic and ethical changes they have prompted over the last hundred years in the most popular media of the day (film, TV, internet).
Note: Creative Technologies Program Option

CTCH 305 3:3-0
Expanded Screens
This course looks at contemporary cinemas and the expanding and contracting screen in recent decades. Topic may include films as political vehicles, technological spectacles, accessories, and installation art.
Note: Creative Technologies Program Option

CTCH 310 1.5-6:6-6
Selected Topics in Creative Technologies
New studio course to be developed to allow for specialized topics/subjects as required for groups of senior undergraduates.
Prerequisite: 30 credit hours or permission of instructor
Note: Creative Technologies Program Option

CTCH 320 3:3-0
Selected Topics in Creative Technologies
New lecture course to be developed to allow for specialized topics/subjects as required for groups of senior undergraduates.
Prerequisite: 30 credit hours or permission of instructor
Note: Creative Technologies Program Option

CTCH 402 3:3-0
Media, Censorship, Propaganda
This advanced seminar course will introduce students to interdisciplinary critical approached to the study of (self) censorship, propaganda and persuasion in contemporary media on the basis of films, television shows and other artefacts.
Note: Students cannot receive credit for Film 480AV and CTCH 402
Note: Creative Technologies Program Option

CTCH 403 0-3:3-3
Advanced Communication
A seminar in advanced communication. Individual seminar themes include but are not limited to: digital and interactive media; global media; television studies; media convergence and surveillance; alternative and tactical media; perceptual media, etc.
Prerequisite: CTCH 303 or permission of the instructor
Note: Creative Technologies Program Option

CTCH 410 1.5-6:6-6
Selected Topics in Creative Technologies
New studo course to be developed to allow for specialized topics/subjects as required for groups of senior undergraduates.
Prerequisite:30 credit hours or permission of instructor
Note: Creative Technologies Program Option

CTCH 420 3:3-0
Selected Topics in Creative Technologies
New lecture course to be developed to allow for specialized topics/subjects as required for groups of senior undergraduates.
Prerequisite: 30 credit hours or permission of instructor
Note: Creative Technologies Program Option

CTCH 499 3:3-0
Creative Tech Capstone Project
This course focuses on the development of a major independent project or research paper in the area of Creative Technologies, for all students in the Creative Technologies Concentration.
Prerequisite: 84 credit hours.

DAK — Dakota

DAK 100 3:3-0
Conversational Dakota I
Introduction to the Dakota language, with emphasis on oral expression, basic grammar, and writing in Roman orthography.

DAK 101 3:3-0
Conversational Dakota II
A continuation of DAK 100. Further grammar and conversational practice for Dakota.
***Prerequisite: DAK 100 ***

DAK 104 3:3-0
Dakota Grammar and Orthography I
This course is designed for students who speak some Dakota. Emphasis is on Roman orthography and basic grammar, with some attention to dialect variation.
** Permission of the department head is required to register. **

DAK 105 3:3-0
Dakota Grammar and Orthography II
A continuation of DAK 104. Further study of the grammar and orthography. An introduction to short composition.
***Prerequisite: DAK 104 ***

DAK 202 3:3-0
Intermediate Dakota I
This course is a continuation of the Dakota oracy and literacy skills introduced at the 100-level. Intermediate grammatical structures are introduced through oral practice and the study of oral and written literature. ***Prerequisite: DAK 101 or 105***

DAK 203 3:3-0
Intermediate Dakota II
A continuation of DAK 202. Further oral practice in Dakota with additional grammatical instruction and an introduction to short composition.
Prerequisite: DAK 202

DAK 206 3:3-0
Dakota Linguistics
Linguistic concepts for the scientific analysis of Dakota, with comparison to the closely related Nakota dialect. Application to language teaching.
Prerequisite: DAK 101 or DAK 105 or permission of the department head.

DAK 225 3:3-0
Dakota Transcription and Writing
Practice with the roman orthography for Dakota consisting of transcription exercises and short expository and creative compositions.
Prerequisite: DAK 203

DART — Didactique en art visuel

DART 315 3:3-0
Didactique des arts à l'élémentaire
Introduction à la didactique de l'éducation artistique au niveau élémentaire. Ce cours vise à intégrer les 5 disciplines (arts visuels, danse, expression dramatique, musique, et littérature) du programme du tronc commun de la Saskatchewan.
***Préalable : Être en troisième année du Bac élémentaire, accepté.e au BEAD élémentaire ou avec la permission du Bac. ***

DART 498 1-3:0-0
DART Independent Study II

DART 499 1-3:0-0
DART Independent Study I

DEJE — Didactique éducation jeunes enfants

DEJE 325 3:3-0
Éducation des jeunes enfants
Principes du développement et de l'apprentissage des jeunes enfants. Applications à un environnement scolaire centre sur l'apprenant dans les écoles francophones et les programmes d'immersion.
***Préalable: Au moins un cours en prime enfance. ***

DEJE 498 1-3:0-0
DEJE Independent Study II

DEJE 499 1-3:0-0
DEJE Independent Study I

DELF — Développement et enrichissement langagiers en français

DELF 150 3:3-0
Développement et enrichissement langagiers en français I
Acquisition d'une méthode personnelle d'expression écrite et orale par la pratique et l'approfondissement des notions langagières acquises tant dans les autres cours qu'enseignées en classe.
***Préalable : Être admis.e au programme de première année du Bac ou avec la permission du Bac. ***

DELF 151 3:3-0
Développement et enrichissement langagiers en français II
Continuation de l'acquisition d'une méthode personnelle d'expression écrite et orale par la pratique et l'approfondissement des notions lanagières acquises tant dans les autres cours qu'enseignées en classe.
***Préalable: DELF 150 ou avec la permission du Bac. ***

DELF 498 1-3:3-0
DELF Independent Study I

DELF 499 1-3:3-0
DELF Independent Study II

DENE — Dene (Chipewyan)

DENE 100 3:3-0
Conversational Dene I
Introduction to the Dene language, with emphasis on oral expression and on writing in standard Roman orthography. Basic grammar and vocabulary. No prior knowledge of Dene is assumed.

DENE 101 3:3-0
Conversational Dene II
A continuation of DENE 100. Further grammar and conversation practice for Dene.
***Prerequisite: DENE 100 ***

DENE 104 3:3-0
Dene Grammar and Orthography I
This course is designed for students who speak some Dene. Emphasis is on standard Roman orthography and basic grammar, with some attention to dialect variation.
** Permission of the department head is required to register. **

DENE 105 3:3-0
Dene Grammar and Orthography II
A continuation of DENE 104. Further study of grammar and orthography. An introduction to short composition.
***Prerequisite: DENE 104 ***

DENE 202 3:3-0
Intermediate Dene I
This course is a continuation of the Dene oracy and literacy skills introduced at the 100-level. Intermediate grammatical structures are introduced through oral practice and the study of oral and written literature. ***Prerequisite: DENE 101 or 105***

DENE 203 3:3-0
Intemediate Dene II
A continuation of DENE 202. Further oral practice in Dene with additional grammatical instruction and an introduction to short composition.
Prerequisite: DENE 202

DENE 206 3:3-0
Dene Linguistics
Linguistic concepts for the scientific analysis of Dene, with comparison to closely related Athapaskan languages. Application to language teaching.
Prerequisite: DENE 101 or DENE 105 or permission of the department head.

DENE 225 3:3-0
Dene Transcription and Writing
Practice with the roman orthography for Dene consisting of transcription exercises and short expository and creative compositions.
Prerequisite: DENE 203

DEPH — Didactique en éducation Physique

DEPH 315 3:3-0
La didactique de l'éducation physique à l'élémentaire
Ce cours vise à familiariser l'étudiant.e aux méthodes, contenu et ressources se rapportant à l'enseignement de l'éducation physique au niveau élémentaire.
***Préalable: Être en troisième année du Bac élémentaire, accepté.e au BEAD élémentaire ou avec la permission du Bac. ***

DEPH 498 1-3:0-0
DEPH Independent Study II

DEPH 499 1-3:0-0
DEPH Independent Study I

DESO — Didactique des sciences humaines

DESO 315 3:3-0
La didactique des sciences humaines à l'élémentaire
Le cours vise à approfondir la nature, les buts et les tendances qui caractérisent l'enseignement des sciences humaines a l'élémentaire. Une analyse des programmes d'étude sera complétée par le développement de la planification d'unité et l'étude de ressources.
***Préalable : ÊEtre en troisième année du Bac élémentaire, accepté.e au BEAD élémentaire ou avec permission du Bac. ***

DESO 498 1-3:0-0
DESO Independent Study II

DESO 499 1-3:0-0
DESO Independent Study I

DFMM — Didactique du français en milieux minoritaires

DFMM 350 3:3-0
Lecture et écriture dans les matières
Ce cours explore les théories et les stratégies propres à la lecture et à l'écriture dans les matières à contenu au secondaire en situations linguistiques minoritaires. Il developpe l'aptitude à la préparation d'activités d'apprentissage dans ces matières et permet de comprendre le rôle essentiel joué par la langue.
***Préalable : Être en troisième année du Bac secondaire, accepté.e au BEAD secondaire ou avec la permission du Bac. ***

DFMM 400 3:3-0
Fondements historiques et approches contemporaines de l'immersion française au Canada
Ce cours vise a preparer l'étudiant.e à enseigner dans une école d'immersion française. Il/elle étudiera les fondements historiques, la philosophie, la méthodologie et les attentes de l'immersion francaise au Canada.
***Préalable : Avoir complété son internat ou avec la permission du Bac. ***

DFMM 435 3:3-0
La méthodologie de l'enseignement dans une école fransaskoise ou française
Ce cours vise à préparer l'étudiant.e à enseigner dans une école fransakoise. Il étudie la philosophie, les objectifs et les attentes de cette école.
***Préalable: Avoir complété son internat ou avec la permission du Bac. ***

DFMM 498 1-3:3-0
DFMM Independent Study I

DFMM 499 1-3:3-0
DFMM Independent Study II

DFRN — Didactique du français

DFRN 350 3:3-0
Enseignement pour développer la compétence
Ce cours se fonde sur la compétence langagièere comme principe organisateur du cours de langue seconde. Il prépare les futur.e.s enseignant.e.s du secondaire à enseigner et à évaluer la compétence.
***Préalable: Avoir terminé la deuxième année du BEd niveau secondaire ou équivalent. ***

DFRN 351 3:3-0
Principes de l'apprentissage et de l'enseignement de la langue seconde
Ce cours étudie les principes et théories de l'apprentissage et de l'enseignement d'une langue seconde. Il prépare l'étudiant.e à établir des liens entre recherche, théorie et pratique pédagogique en français de base au niveau secondaire.
***Préalable: Avoir terminé la deuxième année du BEd niveau secondaire ou equivalent. ***

DFRN 498 1-3:0-0
DFRN Independent Study II

DFRN 499 1-3:0-0
DFRN Independent Study I

DLC — Développement linguistique culturel

DLC 252 3:3-0
Formation Pratique and Integration
Favoriser chez l'étudiant la connaissance de son mileu (programme, faculté, université, profession) en relation avec la connaissance de soi. Stimuler l'integration de ces éléments pour une meilleure utilsation de sa formation et de son potentiel. Formule pedagogique qui rejoint la dimension expérientielle rattachée aux éléments de sa formation.

DLC 253 3:3-0
Seminaire d'apprentissage
L'étudiant pourra avec l'autorisation du directeur du programme, collaborer avec un professeur pour approfondir l'étude d'une discipline d'une matière, d'une théorie, d'un mode d'intervention qui auront fait l'objet d'un cours suivi précédemment. ***Prerequisite: DLC 252 ***

DLC 498 1-3:0-0
DLC Independent Study II

DLC 499 1-3:0-0
DLC Independent Study I

DLEC — Didactique lecture

DLEC 498 1-3:0-0
DLEC Independent Study I

DLEC 499 1-3:0-0
DLEC Independent Study II

DLNG — Didactique langue

DLNG 300 3:3-0
Didactique en langue et littérature
Les étudiant.e.s se familiariseront avec les techniques d'enseignement de la langue et de la littérature françaises en milieu francophone et immersion. Il y aura des applications pratiques.
***Préalable: Être admis.e à l'année du préinternat. ***

DLNG 315 3:3-0
Didactique de la langue à l'élémentaire I
Ce cours explore les théories et les stratégies propres à la lecture et à l'écriture à l'élémentaire en situations linguistiques minoritaires. Il developpe l'aptitude à la préparation d'activités langagières pour les enfants et permet de mieux comprendre le rôle de la lecture et de l'écriture dans l'apprentissage. ***Préalable: Être en troisième année du Bac élémentaire, accepté.e au BEAD élémentaire ou avec la permission du Bac.***

DLNG 351 3:3-0
Enseignement de l'écriture et de la grammaire au secondaire
Ce cours aborde la théorie et la pratique de l'enseignement de l'écriture et de la grammaire par le biais de l'atelier d'écriture au secondaire tant en situation d'immersion qu'en milieu francophone. Le portfolio d'écriture est étudié en tant que stratégie d'évaluation.
***Préalable: DLNG 300 ***

DLNG 425 3:3-0
Didactique de la langue à l'élémentaire II
Ce cours post-internat poursuit le travail entrepris dans le cours DLNG 315. Il permet d'explorer plus à fond les théories courantes dans le domaine de la lecture, la littérature jeunesse, l'apprentissage à base de ressources, l'atelier d'écriture et les documents de soutien publiés par le Ministère de l'apprentissage.
***Préalable : DLNG 315 et avoir complété son internat ou avec la permission du Bac. ***

DLNG 498 1-3:0-0
DLNG Independent Study II

DLNG 499 1-3:0-0
DLNG Independent Study I

DMTH — Didactique mathématique

DMTH 315 3:3-0
L'enseignement des mathématiques à l'élémentaire
Les nouvelles orientations en mathématiques sont analysées par rapport aux buts et aux principes d'apprentissage de cette discipline. Étude des concepts enseignés au niveau élémentaire et préparation du matériel didactique.
***Préalable : Être en troisième anné du Bac élémentaire, accepté.e au BEAD élémentaire ou avec la permission du Bac. ***

DMTH 498 1-3:0-0
DMTH Independent Study II

DMTH 499 1-3:0-0
DMTH Independent Study I

DMXE — Didactique du mieux-être

DMXE 315 3:3-0
Didactique du mieux-être
Ce cours porte sur l'enseignement du mieux-être au niveau élémentaire. Ce cours traite généralement de la situation courante ainsi que des perspectives d'avenir reliées à l'adoption de comportements bénéfiques pour la santé, l'affirmation de soi, l'alphabétisme médiatique, la resolution de conflit et la prise de décision.
Préalable: Être en troisième année du Bac élémentaire, accepté.e au BEAD élémentaire ou avec la permission du Bac.

DMXE 498 1-3:3-0
DMXE Independent Study I

DMXE 499 1-3:3-0
DMXE Independent Study II

DSCI — Didactique en science naturelles

DSCI 315 3:3-3
L'enseignement des sciences à l'élémentaire
Ce cours porte sur l'enseignement des sciences au niveau élémentaire. Les caractéristiques des méthodes d'enseignement en sciences, emphase sur les activités.
***Préalable : Être en troisième année du Bac élémentaire ou accepté.e au BEAD élémentaire ou avec la permission du Bac. ***

DSCI 498 1-3:0-0
DSCI Independent Study II

DSCI 499 1-3:0-0
DSCI Independent Study I

EADM | Educational Administration

EADM 310 3:3-0
Educational Administration: Structure and Process - Administration éducationnelle: Structure/processus
This course will consist of a study of administration in public education with reference to constitutional, governmental, legal, administrator-teacher, and teacher-student components in the total education structure or system.
Administration éducationnelle: Structure et processus:
Ce cours comprend l'étude de l'administration de l'éducation publique par rapport à des considérations constitutionnelles, légales et économiques ainsi que les rapports étudiant.e.s/enseignant.e.s à l'intérieur de la structure du système scolaire.

EADM 498 1-3:0-0
EADM Independent Study II

EADM 499 1-3:0-0
EADM Independent Study I

EAE | Education Arts Education

EAE 201 3:3-0
Introduction to Aesthetic Education K -12
This is an introductory course in aesthetic education designed specifically for students preparing to teach in K - 12 Arts Education Program.

EAE 302 0-3:3-1
Pedagogy, Theroy and Practices I (Arts Education Program)
This course allows pre-service K -12 Arts Education Program teachers to discuss, plan, implement and reflect on a variety of learning experiences for students. Using various critical lenses, students will examine the complexities of teaching, learning, and assessment, as well as the implications of communities and contexts that are essential components for the school. This course integrates an elementary field placement in schools.
Prerequisites: ECS 100 and EAE 201 or acceptance to Arts Education BEAD program.

EAE 312 3:3-0
Pedagogy, Theory and Practices II (Arts Education Program)
This course is a continuation of EAE 302 and allows pre-service K - 12 Arts Education Program teachers to discuss, plan, implement and reflect on a variety of learning experiences for students. Using various critical lenses, students will examine the compelxities of teaching, learning, and assessment, as well as the implications of communities and contexts that are essential components for the school. This course integrates a secondary field placement.
Prerequisites: EAE 302

EAE 350 3:3-0
Arts Education Curriculum and the Practice of Living Inquiry through Thematics
This advanced interdisciplinary Arts Education course will be structured in support of the pre-internship field experience by focusing on K-12 curriculum development and design. Emphasis will be on engagement iin a practice of inquiry involving place-focused thematics and will be guided by opportunities to become familiar with a broad repertoire of local and global contemporary artists and performers.

EAE 400 3:3-0
Arts Education: Multiple and Embodied Literacies
This course focuses on Arts Education K-12 curriculum development and design in relation to proliferating multi-litearcies in today's classrooms. Local and global issues involving in-migrating populations including English as an additional language will be addressed within contexts of aesthetic experience and contemporary practices of inquiry in social relation and change.
Pre-requisite: EAE 350 or permission of the subject area.

EAES | Aesthetic Education

EAES 215 3:3-0
Introduction to Arts Education
Introduction to the five disciplines of art, dance, drama, music, and literature as required areas of study in the elementary classroom as reflected in aspects of the provincial curriculum.

EAES 310 3:3-0
Introduction to Arts Education (Pre-K to Grade 5)
Introduction to dance, drama, literature, music and visual art as required areas of study in the Pre-K to Grade 5 classroom, as reflected in the provincial curriculum. Students will examine the integration of arts education disciplines as one approach to teaching for possibility, for transformation, and for a better world. ***Prerequisite: Acceptance into pre-internship. ***

EAES 317 3:3-0
Introduction to Arts Education (Middle Years)
Introduction to dance, drama, literature, music and visual art as required areas of study in the middle years classroom, as reflected in the provincial curriculum. Students will examine the integration of arts education disciplines as one approach to teaching for possibility, for transformation, and for a better world. ***Prerequisite: For elementary (middle years concentration) pre-internship students only. ***

EAES 498 1-3:0-0
EAES Independent Study II

EAES 499 1-3:0-0
EAES Independent Study I

EAHR | Adult Education and Human Resources

EAHR 200 3:3-0
Introduction to Adult Development
An introduction to adult education, including the foundations of adult education and training, theories of adult learning and development, and an analysis of issues relevant to promoting lifelong learning.

EAHR 201 3:3-0
Introduction to Training and Development
An introduction to the field of training and adult education with an examination of major traditions and expectations which influence their development as distinct branches of education.

EAHR 210 3:3-0
Program Design
This course focuses on planning programs for adult education and training environments, including needs analysis, design processes, development, implementation and evaluation.

EAHR 211 3:3-0
Instructional Technology
This introductory course to planning and implementing instructional technology focuses on the development of instructional strategies and techniques, and includes opportunities for developing, applying, assessing, and refining instructional design in a variety of training and adult education environments.

EAHR 212 3:3-0
Evaluation
An introduction to evaluation and assessment in training organizations and adult education environments. The focus of this course is toward an analysis and construction of learner assessment instruments, course and program evaluation tools, and follow-up documentation.

EAHR 213 3:3-0
Leadership in Adult Education and Human Resource Development
Students will study contemporary theories of leadership and their application to adult education and human resource development communities of practice.

EAHR 214 3:3-0
Facilitation of Adult Learning
This course is an exploration of models or approaches, styles, and strategies involved in the facilitation of adult learning. The principles of adult learning guide the process of facilitation but the actual styles and strategies vary. The course will explore how critical thinking, reflection, collaboration, participation, and knowledge generation can be enhanced and/or minimized through the facilitation process. It will also address different contexts of learning and how they influence the facilitation of learning activities.

EAHR 350 3:3-0
Theory and Practice in Adult Instruction
Examines qualities, roles, characteristics, styles, techniques, skills, philosophies, and methods of effective adult instructors. Theories of adult instruction and learning, the instructional design process, the characteristics of effective adult learning environments and principles of adult facilitation will be explored, including the use of interactive information technology in adult instruction.

EAHR 410 3:3-0
Program Planning and Evaluations
A study of planning and evaluation models relevant to adult education. Includes labour market analysis, needs assessment, program design, and program evaluation.

EAHR 411 3:3-0
Instructional Technology: Advanced
An examination and application of multimedia technology in the training and education environments. Current theory will be linked to practice in exploring the uses of multimedia hardware and software across post-secondary, business, and industry sectors.

EAHR 413 3:3-0
Educational and Administrative Leadership in Training and Development
This course will study educational and administrative leadership in the field of human resource development and adult education. The course will focus on models of organization and the administrative and leadership practices that support them.

EAHR 415 3:3-0
Work Based Education
An exploration of work-based education and training programs with a focus on theories and practices. The Saskatchewan Training Strategy will serve as the basis of course discussion, reflection, and exploration.

EAHR 440 3:3-0
Critical Adult Education and Training
Relationships between dialectics, critical theory, and critical social science are examined as a basis for a critical adult development curriculum. Various critical approaches to training and development are considered.

EAHR 442 3:3-0
Trends and Issues in Training and Development
An exploration of contemporary trends and issues shaping the fields of training and development and adult education environments. Among others, topics include workplace, societal, economic, political and global trends, the change role of trainers and educators as consultants and career counsellors, and gender, cultural and ethnic diversity and equity.

EAHR 498 1-3:3-0
EAHR Independent Study 2
Course reserved for independent study or special project.

EAHR 499 1-3:3-0
EAHR Independent Study 1
Course reserved for independent study or special project in the student's field of special interest in education.

ECCU Cross-Cultural Education

ECCU 200 3:3-0
Introduction to Cross-Cultural Education
An examination of concepts common to cross-cultural education and cross-cultural interaction. Implications for schooling, cultural and economic factors, and current issues and trends in the education of racial and cultural minorities.
***Prerequisite: ECS 100 or EPS 100 ***

ECCU 300 3:3-1
Cross Cultural Teaching Strategies
An examination of teaching strategies, methods, and planning procedures, which can facilitate learning and recognize cultural diversity in cross-cultural settings.
***Prerequisite: ECCU 200 ***

ECCU 390 3:3-0
Yukon First Nations Culture and Values: Educational Experiences on the Land
This experiential education course aims to develop awareness, appreciation and deeper understandings of Yukon First Nations' people, cultures, languages and lifestyles. It is intended to provide First Nations and non-First Nation pre-service teachers with the necessary context to experience cultural inclusion, place and land-based experiential activities suitable for application in pubilic school classrooms.

ECCU 400 3:3-0
Treaties in the Classroom
This course will provide a historical basis, a connection to Saskatchewan curriculum, and a practical approach to the study and teaching of the Treaties between the First Nations people and the Crown in what is now Saskatchewan.

ECCU 498 1-3:0-0
ECCU Independent Study II

ECCU 499 1-3:0-0
ECCU Independent I

ECE Early Childhood Education

ECE 200 3:1.5-0
Teaching and Learning in Pre-K to 5
This course will explore children's development within and across the complexities of social and cultural life through ideas related to experiential learning in the early years of schooling and some of the historical/theoretical discourses that have (in)formed practice and schooling.
***Prerequisite: Acceptance into the Elementary Program. ***

ECE 205 3:3-0
Orientation to Teaching Children in the Early School Years (K-5)
Foundations of experiential learning programs in kindergarten and the early school years; understanding children within social and cultural contexts; and, dimensions and elements of good quality programs for young children.
***Prerequisite: CFST 202 or EPS 100. Selection into the Elementary Education Program and students in the Level II Certificate in Child and Family Studies. ***
*Note: Normally offered in fall only. *

ECE 325 3:3-0
Experiential Learning for Young Children
Planning, organizing, and evaluating learner-centered curriculum and environments for young children. Multiple modes of learning and forms of representing learning. Applying principles of developmentally and culturally appropriate practice to classroom environments.
Prerequisite: ECE 200 and second-year standing in the Elementary Program
Note: Normally offered in winter only.

ECE 400 3:3-0
Contemporary Perspectives and Challenges in Early Childhood Education
An exploration of current theories and practices in Early Childhood Education through critical examination of the beliefs, values and assumptions behind notions of best practice, developmentally appropriate practice and other discourses that influence ECE. Students will draw upon their own internship experiences to critically (in)form their reflective explorations. ***Prerequisite: Successful completion of EFLD 409 or 411. ***

ECE 425 3:3-0
Contemporary Perspectives in Early Childhood Education
An examination of current perspectives and challenges in early childhood education. Participants will investigate program assumptions and beliefs and develop practical action plans which support positive teaching/learning environments for young children.
***Prerequisite: Pre-internship ***

ECE 435 3:3-0
Curricular Implications of Play
Play and its contribution to development and learning; practical application of play theory in experiential learning situations.
***Prerequisite: Preinternship or permission from the Elementary Program Chair ***

ECE 445 3:3-0
Introduction to Preschool Settings
This course considers the child, the adult, the preschool environment, and the broader socio-cultural contexts of preschool programs. There will be an emphasis on knowledge and experience of the complex interactions of the components which comprise developmentally appropriate preschool settings.
***Prerequisite: Preinternship or permission from the Elementary Program Chair ***

ECE 498 1-3:0-0
ECE Independent Study II

ECE 499 1-3:0-0
ECE Independent Study I

ECON Economics

ECON 100 3:3-0
Introduction to Economic Issues
Basic economic concepts are used to explore current economic issues such as unemployment, inflation, trade disputes, the crisis in agriculture, pollution reduction, and health care.
Note: Students who have received credit for either ECON 201 or 202, or any ECON course numbered 300 or higher may not take ECON 100 for credit.

ECON 201 3:3-0
Introductory Microeconomics
Theory of how individual consumers and firms behave in a market economy. Emphasis is on evaluating how well markets deliver efficient and fair outcomes.
Prerequisite: 15 credit hours or ECON 100 or Pre-Calculus 20 (or equivalent)
Note: Students who have already received credit for both ECON 201 and ECON 301 may not retake ECON 201 for credit.

ECON 202 3:3-0
Introductory Macroeconomics
Basic economic concepts are used to explain how economies operate at a national or regional level, with a focus on production, income, interest rates, prices, inflation, and unemployment. Principles are introduced for understanding and evaluating the methods by which governments can smooth fluctuations in overall economic activity.
Prerequisite: 15 credit hours or ECON 100 or Pre-Calculus 20 (or equivalent)
Note: Students who have already received credit for both ECON 201 and ECON 301 may not retake ECON 201 for credit.

ECON 211 3:3-0
Development Economics
Problems and challenges facing developing countries in their attempts to improve living standards.
***Prerequisite: 15 credit hours or ECON 100 ***

ECON 224 3:3-0
Empirical Economics
This course introduces students to various sources of economic data. Using Excel, students will perform analyses of data, and conduct hypothesis tests and simple regressions.
***Prerequisite: 15 credit hours or ECON 100 ***

ECON 231 3:3-0
Money, Banks and Financial Institutions
How did money evolve and who controls its supply? How do banks work and what is the role of the central bank? How do stock and bond markets work and what purpose do they serve?
***Prerequisite: 15 credit hours or ECON 100 ***
*Note: Formerly numbered ECON 296AA. Students may not receive credit for both ECON 231 and ECON 296AA. *

ECON 232 3:3-0
Government and the Economy
Considers rationales for government intervention in the economy. Assesses the impact of government activity on the economy and on the economic welfare of the population. Includes a comprehensive survey of Canadian tax and spending programs and policies.
***Prerequisite: 15 credit hours or ECON 100 ***
*Note: Students may not receive credit for both ECON 232 and BUS/ADMN 340. *

ECON 233 3:3-0
Issues in Canadian Agriculture
Applies economic theory to current problems facing Canadian and world agriculture. Supply and demand conditions in world markets. Causes and effects of government support programs. Impact of WTO agreements.
***Prerequisite: 15 credit hours or ECON 100 ***
*Note: Formerly numbered ECON 296AB. Students may not receive credit for both ECON 233 and ECON 296AB. *

ECON 234 3:3-0
Monetary and Financial Crises
Why do stock markets and national currencies occasionally collapse and what lessons can we learn from such crises? These questions are examined through a study of classic cases like the Asian currency crisis of 1997-98 and the global financial crisis of 2007-8.
Prerequisite: 15 credit hours or ECON 100

ECON 236 3:3-0
Economics of Crime
Does crime pay? Do governments punish and regulate crime too much or too little? Basic economic concepts are used to analyze criminal behaviour and anti-crime measures. Covers such issues as the underground economy, costs and benefits of anti-drug laws, and policies for preventing crime.
***Prerequisite: 15 credit hours or ECON 100. ***

ECON 238 3:3-0
Economics of Sports
Are professional athletes paid too much? Should governments pay for stadiums? Can small-market franchises survive?
***Prerequisite: 15 credit hours or ECON 100 ***
*Note: Formerly numbered ECON 296AC. Students may not receive credit for both ECON 238 and ECON 296AC. *

ECON 253 3:3-0
Economic Issues in the Canadian Health Care System
Surveys the Canadian health care system from an economic perspective. Discusses common misconceptions about health care. Examines the economic costs and socio-economic benefits of health care in this country, and compares the health care system here with those prevailing in other countries.
***Prerequisite: 15 credit hours or ECON 100 ***

ECON 269 3:3-0
The Economics of Beer
This course explores the economics of the multi-billion dollars industries of brewing and selling beer; along with the myriad of regulations surrounding the production and consumption of alcoholic beverages.
Prerequisite: ECON 100 or 15 credit hours
Note: Formerly numbered ECON 296AJ. Students may receive credit for only one of ECON 269 or ECON 296AJ.

ECON 273 3:3-0
Environmental Economics
This course examines contemporary questions and issues of environmental economics, such as why are fish stocks disappearing? What are the economic causes of pollution? Why did Canada abandon the Kyoto agreement? How does trade liberalization affect the environment? ***Prerequisite: 15 credit hours or ECON 100 ***

ECON 280 3:3-0
Writing for Economists
Students will work, individually and collaboratively, in classroom and library, on a range of writing assignments built around current economic policy issues. The goal is to help students, improve their research and writing skills.
Prerequisite: Three ECON courses
Note: Registration is restricted to ECON majors only.
Note: This course was formerly numbered ECON 380. Students may receive credit for only one of ECON 280 or 380.
Note: ECON 280 must be taken concurrently with one of ECON 311, 341, 353, 354, 361, 363, 364, 372.

ECON 281 3:3-0
Wages and Employment in Canada
How are wages determined? What are the causes of unemployment? What policies are best suited for dealing with industrial injuries, part-time work, employee health, and retirement?
***Prerequisite: 15 credit hours or ECON 100 ***
*Note: Formerly numbered ECON 381. Students may not receive credit for both ECON 281 and ECON 381. *

ECON 296 1-3:3-0
Selected Topics I - an AA-ZZ series.
Current-interest topics and occasional offerings, designed for students with little or no background in economics.
***Prerequisite: 15 credit hours or ECON 100 ***

ECON 301 3:3-0
Intermediate Microeconomics I
Presents a more advanced theory of the behaviour of households and firms in competitive and non-competitive markets. Examines consumer preferences and their optimal choices, and cost structures and firm behaviour in various market structures.
Prerequisite: ECON 201

ECON 302 3:3-0
Intermediate Macroeconomics I - Economic Fluctuations
Advanced economic concepts are used to explain how economies work at a national or regional level, with a focus on booms, recessions, government spending, taxation, and monetary policy.
***Prerequisite: ECON 202 ***

ECON 307 3:3-0
Intermediate Microeconomics II
A continuation of ECON 301. Topics include: producer and consumer choice over time and under uncertainty, market failure (public goods, externalities, and asymmetric information), factor markets, introductory general equilibrium, game theory, welfare economics and behavioural economics.
Prerequisite: ECON 301 and MATH 103 or equivalent, or permission of department head

ECON 308 3:3-0
Economic Growth
This course surveys theories and models of economic growth, along with growth and development experiences of various countries.
Prerequisite: ECON 202 and MATH 103 or 110 or permission of department head

ECON 309 3:3-0
Intermediate Microeconomics II: Game Theory
This course introduces students to the tools and logic of game theory to broaden the range of situations and actions to be considered in the study of microeconomics. The strategic behaviour of firms and other agents will be explored in cases when the actions of one agent have an impact on the actions of others. Topics include Nash equilibrium, sub-game perfection, asymmetric information and risk. ***Prerequisites: ECON 301 and MATH 103 or equivalent, or permission of department head***

ECON 310 3:3-0
Intermediate Macroeconomics II
A continuation of Econ 302. Topics include: growth theories, the life-cycle consumption-saving, work ? leisure decisions of the representative household, investment theories, issues in fiscal sustainability, the Ricardian equivalence, and time-inconsistency of government policies.
Prerequisite: Econ 302 and MATH 103 or equivalent

ECON 311 3:3-0
Economics of Developing Countries
Comparative case studies of attempts by Third World countries to improve their living standards. Introduction to theories of how economies develop.
Prerequisite: ECON 202 or ECON 211
Note: Economics majors are required to take ECON 280 concurrently with this course, if not already completed successfully.

ECON 321 3:3-1
Econometrics
This course covers estimation and hypothesis testing in the simple and multiple regression model, consequences and remedies of estimation under non-classical conditions. Students will use econometric software in a laboratory setting.
Prerequisite: ECON 224, or STAT 160 or 200 or equivalent

ECON 322 3:3-0
Mathematical Economics
This course develops mathematical techniques used to conduct economic analysis, including differentiation, logarithmic and exponential functions, maximization and minimization.
***Prerequisite: ECON 201 and one of MATH 103, 105 or 110 ***

ECON 331 3:3-0
Monetary Theory and Domestic Financial Markets
Examines theories of money, financial markets, and institutions in a Canadian context.
***Prerequisite: 45 credit hours or three ECON courses ***

ECON 341 3:3-0
International Trade
Uses theories of international trade to examine trade patterns, the impact of trade and trade agreements on economies, and the effects of trade policies.
Prerequisite: ECON 201
Note: Economics majors are required to take ECON 280 concurrently with this course, if not already completed successfully.

ECON 342 3:3-0
Global Financial Markets
A survey of international monetary and financial institutions and arrangements. Topics include foreign-exchange markets, international banking, hedge funds, currency speculation, alternative exchange-rate regimes, and regulation of global financial markets.
***Prerequisite: ECON 202 ***

ECON 351 3:3-0
Cost Benefit Analysis
Introduces techniques for estimating in dollar terms the costs and benefits of real-world projects and policies.
Prerequisite: ECON 201

ECON 353 3:3-0
Health Economics
Examines the Canadian health care system from an economic perspective. Uses models of patient, physician and institutional behaviour to analyze the factors governing health and the demand for health care, and to evaluate competing proposals for health care reform.
Prerequisite: ECON 201 or ECON 253
Note: Economics majors are required to take ECON 280 concurrently with this course, if not already completed successfully.

ECON 354 3:3-0
Economics of Cities
Applies economic analysis to important questions regarding urban areas: Why do they exist? What determines their location? What is their role in the Canadian economy? Other issues considered are: zoning policies, local government spending and taxation, urban economic development policy, and urban transportation policy.
Prerequisite: ECON 201
Note: Economics majors are required to take ECON 280 concurrently with this course, if not already completed successfully.

ECON 361 3:3-0
Economics of Public Enterprise and Regulation
A study of public policy toward big business: advantages and disadvantages of crown corporations, causes and effects of government intervention in private economic activities, regulation of the pricing and investment activities of firms.
Prerequisite: 45 credit hours or three ECON courses
Note: Economics majors are required to take ECON 280 concurrently with this course, if not already completed successfully.

ECON 363 3:3-0
Population Economics
Examines the impact of changing population age structures on economic performance and public well-being.
Prerequisite: 45 credit hours or three ECON courses
Note: Economics majors are required to take ECON 280 concurrently with this course, if not already completed successfully.

ECON 364 3:3-3
Economics of Corruption
The Course analyzes the incentives and deterrent of corrupt behaviour through the use of various economic models of corruption. The course examines causes and consequences of corruption, with a particular focus on transition economies and developing countries. In addition, the course analyzes corruption from an institutional and transaction economics approach and as it sustains other illicit activities such as tax evasion, the underground economy, and organized crime.
Prerequisites: 45 credit hours or three ECON courses.
Note: Economics majors are required to take ECON 280 concurrently with this course, if not already completed successfully.

ECON 372 3:3-0
Natural Resource Management on the Prairies
Problems in the prairie oil/gas, timber, uranium, potash, power generation and water management sectors; preservation of prairie ecosystems; application of theory to determine how best to deal with these problems.
Prerequisite: ECON 201
Note: Economics majors are required to take ECON 280 concurrently with this course, if not already completed successfully.

ECON 396 1-3:3-0
Selected Topics II - an AA-ZZ series.
Current interest and occasional offerings with a significant writing component, designed for upper-year students.
Prerequisite: 45 credit hours or three ECON courses, or other prerequisites depending on the topic

ECON 397 1-3:3-0
Selected Topics II B - an AA-ZZ series.
Current interest and occasional offerings without a significant writing component, designed for upper-year students.
Prerequisite: 45 credit hours or 3 ECON courses

ECON 401 3:3-0
Advanced Microeconomic Theory
Advanced microeconomic analysis using optimization techniques including multivariate calculus with public policy applications. Topics include consumer and production theory, general equilibrium and welfare analysis, public goods, externalities, asymmetric information and uncertainty.
Prerequisite: ECON 301, ECON 309 and ECON 322 or equivalent

ECON 402 3:3-0
Advanced Macroeconomic Theory
Advanced macroeconomic analysis using dynamic optimization techniques and differential equations. Topics include include growth theory and policy, business cycle theory, stabilization policy, consumption and investment behaviour, monetary policy, and fiscal sustainability.
Prerequisite: ECON 310 and ECON 322 or permission of department head

ECON 480 3:3-0
Capstone Semnar in Economics
Students will research an economic issue of personal interest under the supervision of a faculty member, present their work in class, and produce a term paper.
Prerequisite: ECON 224, ECON 280, and one of ECON 311, ECON 341, ECON 353, ECON 354, ECON 361, ECON 363, ECON 364, ECON 372, or permission of department head

ECON 496 1-3:3-0
Selected Topics III - an AA-ZZ series.
Current interest and occasional offerings, intended primarily for honours students.
***Prerequisite: ECON 301 or ECON 302 ***

ECON 497 1-3:3-0
Selected Topics III B - an AA-ZZ series.
Current interest and occasional offerings without a significant writing component, designed for upper-year students, primarily honours students ***Prerequisite: ECON 301 or ECON 302, or permission of the department head***

ECON 499 3:3-0
Honours Project
Continuation of ECON 480. Students will expand their ECON 480 paper under the direction of a faculty member, and present the final project at a Departmental seminar.
***Prerequisite: Grade of at least 75% in ECON 480. ***
*Note: ECON Honours students only. *

ECS Education Core Studies

ECS 100 3:1.5-0
Knowledge, Schooling and Society
This course introduces students to historical and foundational questions: what counts as knowledge and how has knowledge been "produced" and reproduced through schooling and its administration in the past and the present. Students will explore these questions in various ways, including observations in contemporary schools and communities. This course begins the complex process of constructing teacher knowledge.

ECS 110 3:3-0
Self and Other
This course contributes to students' understanding of their emerging teacher-identities, including the following topics: cultural and psychological discourses producing the roles of teacher; constructs of self and other in relation to difference; and agency in the development of teacher identity. The implications of anti-oppressive and other orientations to families, communities and schooling are explored.

ECS 200 3:3-0
Constructions of the Student, the Learner and the School
The child, adolescent, adult, student, learner and school are all social constructions: beliefs about people and public institutions which have varied through history, and which are still influenced by a range of theories and perspectives. This course critically examines those constructions over time.
*Note: Normally taken after ECS 100 and ECS 110. *

ECS 210 3:1.5-0
Curriculum as Cultural and Social Practice
This course will engage students in understanding education and curriculum as cultural and social practice. The course will explore the intersections of socioeconomic, political, cultural, geographical, religious, gender and sexual orientation differences with educational and curricular practices as prescribed, negotiated and lived. It will also examine how different teacher, administrator and learner identities are shaped by these practices.

ECS 300 3:3-6
Pedagogy: Theory and Practices I (Secondary Program)
In the context provided by other ECS courses the prospective teacher addresses the issues surrounding planning, delivery and assessment of teaching and learning experiences in the high school. Using learning theories, the Professional Development Process and a field experience students will create a professional development plan focused on their evolution into competent, and socially aware beginning teachers.
Prerequisite: ECS 100 for direct entry and early transfer students enrolling in ECS 300.

ECS 301 3:3-0
Pedagogy: Theory and Practices – Pre-K to Grade 8 (Elementary and Middle Years)
In this course pre-service teachers discuss, plan and implement a variety of learning experiences for students. They investigate the complexities of teaching, learning and assessment from different perspectives; deconstruct normalcy and diversity; examine SchoolPLUS and the legal and institutional aspects of education, and use instructional technologies.
Prerequisites: Acceptance into the Elementary Program pre-internship *Note: In order to pass ECS 301 a student must also pass EFLD 310 for Pre K-5 students and EFLD 317 for Middle Years students*

ECS 310 3:3-0
Interprofessional Experiences in Teaching (Secondary Program)
This course introduces students to their role in making professional choices about teaching and learning in holistic and integrative ways. Students will continue to critique practices, policies and institutions related to schooling, continue to develop their understanding of the role of law and ethics in education and identify conceptual models and practice skills related to interprofessional collaboration.
***Prerequisite: ECS 300 ***

ECS 311 3:3-0
Pedagogy, Theory and Practices (Elementary, Pre-K to Grade 8)
This course introduces students to education for social and ecological justice. Students will critique existing assumptions and practices in schooling that contribute to the marginalization of some, and work with units of study and assessment methods that are more equitable for all students.
Prerequisite: EFLD 310 or EFLD 317
Note: In order to pass ECS 311 a student must also pass EFLD 311 for Pre K-5 students and EFLD 318 for Middle Years students

ECS 350 3:3-0
Pedagogy: Theory and Practices II (Secondary Program)
This course continues the work begun in ECS 300. Prospective teachers will confront more complicated and complex issues as they plan, deliver and assess sophisticated instructional strategies in high school classrooms. This course will invoke all they have learned in prior ECS and subject area courses as part of their personal development into competent and socially aware beginning teaches.
Prerequisite: ECS 300
Note: In order to pass ECS 350, a student must also pass the pre-internship field component

ECS 400 3:3-0
Contemporary Perspectives and Challenges in Education
An exploration of current theories and practices in education through critical examination of the beliefs, values and assumptions behind notions of best practice, developmentally appropriate practice and other discourses that influence education. Students will draw upon their own internship experiences to critically (in)form their reflective explorations.
***Prerequisite: Successful completion of EFLD 407 or 411. ***

ECS 410 3:3-0
Assessment and Evaluation
Assessment and Evaluation are terms that embody a constructed set of beliefs, values and practices, often taken for granted in education. This course takes a critical look at the construction and practice of assessment and evaluation in the context of teaching and learning and helps prepare pre-service teachers to practice fair and equitable assessment and evaluation.
Prerequisite: ECS 300 or 311 or EAE 302 or ELNG 310

ECS 498 1-3:3-0
ECS Independent Study I
Course reserved for independent study or special project.

ECS 499 1-3:3-0
ECS Independent Study II
Course reserved for independent study or special project in the student's field of special interest in education.

ECSF — Education Core Studies (Cours commun ed education – francais)

ECSF 100 3:3-0
L'école et la société : connaissances et savoirs
Ce cours propose des questions liées aux < connaissances > et < savoirs > associés à l'éducation en situations linguistiques minoritaires. Les étudiant.e.s auront à contempler la production du pouvoir et du savoir en milieux éducatifs contemporains. Ce cours sert d'amorcé au développement des subjectivites professionnelles et linguistiques.
***Préalable : Être admis.e au programme de première année du Bac ou avec la permission du Bac. ***
* Les étudiant.e.s doivent remplir le formulaire d'entente de la Commission des accidents de travail. *

ECSF 110 3:3-0
Le je et l'autre en éducation
Ce cours contribue à la construction identitaire des enseignant.e.s en formation (situations linguistiques minoritaires) en abordant des sujets tels que la négociation des identités, les discours de cultures, de différence et de l'éducation anti-oppressive. Le cours porte un regard particulier sur des enjeux sociolinguistiques contemporains de la dualité linguistique canadienne.
***Préalable : ECSF 100 ou avec la permission du Bac. ***

ECSF 317 3:3-0
Constructions de la personne comme apprenant
Ce cours explore des théories et des discours tant historiques que psychologiques et sociologiques portant sur le développement humain. Il permet aux étudiant.e.s de comprendre comment les sens donnés aux notions construites d'élève, d'apprenante, d'enfant et d'adolescente varient dans le temps et selon les circonstances.
***Préalable : Être en troisième annee du Bac, accepté.e au BEAD ou avec la permission du Bac. ***

ECSF 498 1-3:3-0
ECSF Independent Study I

ECSF 499 1-3:3-0
ECSF Independent Study II

ED — Education

ED 215 2:2-8
Integrative Experiences in Elementary Education: Part I
This course provides information and skills related to pertinent issues in field experiences, and guided reflection intended to help students see these experiences in social and cultural context.
***Prerequisite: Admission to elementary pre-internship. ***
*** Corequisite: EPS 215 and field experience. ***
*Note: Pass/fail grade. Normally offered in fall only. *

ED 225 2:2-8
Integrative Experiences in Elementary Education: Part II
This course follows and builds upon the experience of ED 215, continuing to provide information and skills related to the field experience; and providing more seminar time for guided reflection. The course will allow students to situate critical incidents within their field experiences within a cultural context.
***Prerequisite: Continuing status in elementary pre-internship. ***
*** Corequisite: EPS 225 and field experience. ***
*Note: Pass/fail grade. Normally offered in winter only. *

ED 350 3:3-5
Integrative Experiences in Secondary Education
This course provides experiences that allow the pre-Intern to integrate theories and approaches to teaching in the secondary school through practical experiences.
Prerequisite: Admission to secondary pre-internship. EPS 350 or EIND 305. Concurrent enrolment is allowed.
Note: Pass/fail grade. Normally offered in winter only.

EDAC — ED Expériences d'apprentissage hors campus

EDAC 050 0:0-0
Expériences d'apprentissage hors campus (formerly EFLD 050 - Bac section only)
Organiser et vivre des expériences d'apprentissage hors campus (ordinairement offert en automne).
***Préalable : Être en troisième année du Bac élémentaire ou accepté.e au BEAD élémentaire ou avec la permission du Bac. ***
Note: Évaluation: réussite ou échec; Frais de participation de 100,00 $.

EDAN — Dance Education

EDAN 101 3:3-0
Introduction to Dance Education, K-12
Knowledge and experience of theory and content of dance through both theoretical and practical study. Emphasis on understanding of development of various dance forms and the particular relevance in dance education curriculum.
*Note: Normally offered in fall only. *

EDAN 202 3:3-0
Introduction to Dance Education, K-12, Part II
This course is designed for arts education students in their second term. Theory, content and practice related to dance education will be examined.

EDAN 203 3:3-0
Dance Technique and Performance
Participants will develop an understanding of the basic principles of movement technique as they relate to alignment and posture, movement principles, and flexibility and strength training in the context of selected dance forms.

EDAN 301 3:3-0
Curriculum for Dance Education
Selection and organization of contemporary dance experiences for K - 12 pupils. The students will examine dance forms relevant to K-12 age groups and address dance curriculum design.

EDAN 400 3:3-0
Dance in Cultural Contexts
Planning of experiences which explore dance in cultural contexts for K-12 pupils. The students will be involved in the study of resources, in interviews, and observation and analysis of dance milieux.

EDAN 401 3:3-0
Movement Notation
This course is an introduction to the theory and practice of movement notation with an emphasis on developing reading skills through the study of scores.
***Prerequisite: EDAN 101 and 202, or permission of the instructor. ***

EDAN 402 3:3-0
History of Dance Education
An introduction to the themes and issues in dance education, emphasizing major developments of dance teaching in theatrical dance, elementary and secondary education, community settings, and university training.
***Prerequisite: EDAN 101 and 202, or permission of the instructor. ***

EDAN 403 3:3-0
Dance Composition
An introductory course in the basic principles of dance composition. Both practical and critical work will be applied to explore the creative process and to develop the skills of choreography.

EDAN 498 1-3:3-0
EDAN Independent Study II

EDAN 499 1-3:0-0
EDAN Independent Study I

EDCS — ED Cross Cultural Studies

EDCS 100 3:3-1
Inuit Cultural Studies 100
This course is designed to provide students with the opportunity to develop a better understanding of a variety of items from Inuit material culture to: (1) understand the context surrounding their usage; (2) understand their cultural significance in traditional and contemoporary Inuit Society; (3) explore how traditional patterns, construction techniques and usage may have changed over time; and (4) to discuss the importance of these items to cultural identity and explore appropritae means to intergenerational knowledge transfer.

EDCS 200 3:3-1
Inuit Cultural Studies 200
This course is designed to give students the opportunity to examine important aspects of traditional Inuit family values, customs and beliefs. Inuit customs, values and beliefs are what ensure social harmony and they are what people avoid and/or survive hardship and conflict. As modern life has changed much of the nomadic camp-life of Inuit, these customs and values are no longer passed to successive generations as they once were. This course will introduce students to research, archival interviews, and northern publications that will begin an exploration into traditional Inuit values, customs, and beliefs.

EDCS 300 3:3-0
An Introduction to Inuit Traditional Stories
This survey course is designed to give students the opportunity to examine and explore Inuit traditional stories.During the course, students will be exposed to several traditional stories and various story themes as well as examine the characteristics and purposes of traditional Inuit stories through (a) detailed study of a representative sample of written work and (b) interviewing/listening to Elders from various regions of Nunavut.

EDRA — Drama Education

EDRA 101 3:3-0
Introduction to Drama Education
This course is an introduction to the curriculum theory and practice of group process/contextual drama in the K-12 classroom.
Note: Normally offered in fall only.

EDRA 202 3:3-0
Introduction to Drama Education: Part II
This course involves students in the exploration of collective creation as an educational process and a theatrical product.

EDRA 203 3:3-0
Drama in the Curriculum: I
Curriculum in drama education for prospective teachers. The course will survey existing drama curricula and provide beginning experiences in drama curriculum development for elementary and high schools.
Prerequisite: EDRA 101
Note: Normally offered in fall only.

EDRA 498 1-3:0-0
EDRA Independent Study II

EDRA 499 1-3:0-0
EDRA Independent Study I

EDTC — Education Technology & Media

EDTC 300 3:0-0
Introduction to Educational Technology and Media
This course examines the use of technology and media in teaching and learning as well as the transformative effects that emerging digital tools/networks have on school and society. The course provides an experiential approach to learning about technology integration while helping students critically reflect on the implications of our digital reality.

EDTC 400 3:0-0
Advanced Studies in Educational Technology and Media
This course provides an advanced exploration of technology integration in teaching and learning as well as an in-depth examination of the effects of emerging technologies and media in school and society. Students will engage in critical discussions around technology as it relates to classroom practice in the provincial, national, and global contexts.
Prerequisite: EDTC 300

EFC — Études Franco-Canadiennes

Ces cours sont approuvés par la Faculté des arts et donnent plein crédit pour l'obtention du diplôme.
These are approved Faculty of Arts courses and carry full degree program credit.

EFC 200 3:3-0
Héritage de la francophonie canadienne - French-Canadian Heritage
Apercu des coutumes, traditions, croyances populaires, legendes, contes, et chansons folkloriques. Survey of customs, traditions, popular beliefs, legends and folk songs of French Canada.
***Prealables: un cours HIST de niveau 100 et FR 230 ou permission de l'Institut francais. ***
***Prerequisite: one 100-level HIST course and FR 230 or permission of the Institut francais ***

EFC 400 3:3-0
Études en culture canadienne français I - Studies in French-Canadian Culture I
Analyse des discours intellectuels et culturels de la societe canadienne francaise aux XIXE et XXE siecles. Analysis of intellectual and cultural ideas current in French-Canadian society during the 19th and 20th century.
***Prealables : EFC 200 ou HIST 215, FR 270 et un cours de niveau 300 en sciences politiques, sociologie, histoire ou litterature francaise. ***
***Prerequisite: EFC 200 or HIST 215, FR 270 and a 300-level course in political science, sociology, history, or French literature ***

EFC 401 3:3-0
Études en culture canadienne française II - Studies in French-Canadian Culture II
Analyse des discours intellectuels et culturels de la societe canadienne francaise aux XIXE et XXE siecles. Analysis of intellectual and cultural ideas current in French-Canadian society during the 19th and 20th centuries.
***Prealable : EFC 400 ***
***Prerequisite: EFC 400 ***

EFC 490 6:3-0
Travaux dirigés - Directed Reading and Research
Les etudiants choisiront un sujet de recherche sur lequel ils redigeront un travail d'envergure. Students will select a special project and will write a major paper.
***Prealables: EFC 200 ou HIST 215, FR 270 et un cours de niveau 300 en sciences politiques, sociologie, histoire ou litterature francaise, ou la permission de l'Institut francais. ***
***Prerequisite: EFC 200 or HIST 215, FR 270 and a 300-level course in political science, sociology, history, or French literature, or permission of the Institut francais ***

EFDN — Educational Foundations

EFDN 300 3:3-0
History of Ideas in Education - Histoire des idées en éducation
A study of educational thought in Western civilization from its origins to the nineteenth century, with emphasis on religious and cultural beliefs as expressed in the writing of important thinkers.
***Prerequisite: Completion of 30 credit hours. ***
Histoire des idées en éducation: Genèse des faits éducatifs en Occident des origines judaiques et gréco-romaines jusqu'au dix-neuvième siècle. L'emphase est mise sur les dimensions religieuses et culturelles exprimées par les grands penseurs.
***Préalable: 30 heures de crédit complétées. ***

EFDN 301 3:3-0
Philosophical Analysis of Education
Use of philosophical analysis to clarify education, schooling, teaching, knowledge, curriculum, discipline, authority; and basic principles of reasoning to justify aims, content, values.
***Prerequisite: Completion of 30 credit hours. LGC 100 or PHIL 100 is recommended. ***

EFDN 303 3:3-0
Moral Education
Brief exploration of the moral domain: nature of moral values, judgement, and reasoning. A critical examination of theory and practice in contemporary models of moral education.
***Prerequisite: Completion of 30 credit hours. ***

EFDN 306 3:3-0
Schooling and Sexual Identities
This course will provide the rationale, background, and strategies for understanding sexual identity and the social constructions of inclusivity and difference in schools. This course will examine the pedagogical and curricular implications for all educators of gay, lesbian, bisexual, and transsexual (GLBT) students and teachers in our schools.
***Prerequisite: Completion of 30 credit hours. ***

EFDN 307 3:3-0
Education and the Multicultural Society - Le multiculturalisme en éducation
This course will examine multicultural education in the context of social interaction and change. The implications for school policies and practices at national and provincial levels will be considered.
***Prerequisite: Completion of 30 credit hours. ***
*Note: This course remains an option for Term 3 Elementary Program students to meet the cross-cultural requirement. *
Le multiculturalisme en éducation:
Ce cours vise à une ouverture d'esprit sur les phénomènes culturels et les changements qui affectent la société canadienne contemporaine; son but principal est de permettre aux futur.e.s enseignant.e.s d'identifier la diversité culturelle dans les écoles et de s'y adapter. On se penche à la fois sur les différences et les similarités qui s'expriment à l'intérieur du système scolaire, et on met on relief les processus d'analyse et de reflection. ***Préalable: 30 heures de crédit complétées. ***

EFDN 308 3:3-0
Women and Education
This course examines women and education from historical, philosophical, and sociological perspectives. Topics include women's experiences as teachers, issues of access and equity, feminist views on educational goals, curriculum, pedagogy, and schools, and the politics of teaching.
***Prerequisite: Completion of 30 credit hours. ***

EFDN 309 3:3-0
Social Issues in Education
A critical look at schooling and its relation to diversity, student achievement, societal intervention and education change. This course examines current issues in educational practive including, pverty, sexuality, gender, religion, racism, tracking, and school reform.
***Prerequisite: Completion of 30 credit hours. SOC 100 is recommended. ***

EFDN 311 3:3-0
Philosophical Ideas in Education
Comparative and critical study of selected 20th-century schools of educational philosophy (eg. realism, pragmatism, behaviourism, existentialism) and their representative thinkers.
***Prerequisite: Completion of 30 credit hours. ***

EFDN 314 3:3-0
The Curriculum: Foundations and Development - Les fondements et l'évolution du curriculum
Study of historical, philosophical, social, and psychological factors influencing curriculum formation; objectives and procedures for content selection including the features of Saskatchewan core curriculum.
***Prerequisite: Completion of 30 credit hours. ***
Les fondements et l'évolution du curriculum: Une étude des facteurs historiques, philosophiques, sociaux et psychologiques qui influencent la formation du curriculum; objectifs et touchant le curriculum du tronc commun de la Saskatchewan. ***Préalable: 30 heures de crédit complétées. ***

EFDN 316 3:3-0
Comparative Education
This course is a study of education in several countries. Comparisons will be made of national traditions, organization of education, accessibility to education, and education of cultural and religious minorities.
***Prerequisite: Completion of 30 credit hours. ***

EFDN 498 1-3:0-0
EFDN Independent Study II

EFDN 499 1-3:0-0
EFDN Independent Study I

EFLD Education Field Experiences

EFLD 050 0:0-0
OCRE (Off-Campus Residential Experience)
An off-campus residential experience.
***Prerequisite: EPS 215 or 350, concurrent enrolment is allowed. ***
*Note: Pass/Fail grade. Accomodation Fee: $100.00. *
* Please note that the French version of this course will no longer be available and will now be offered as EDAC 050, effective 200830. *

EFLD 051 0:0-0
OCRE (Off-Campus Residential Experience)
An off-campus residential experience.
***Prerequisite: EPS 225, EPS 350, EIND 305, or EIOE 215, concurrent enrolment allowed. ***
*Note: Pass/Fail grade. Accommodation Fee: $100.00. *
* Please note that the French version of this course will no longer be available, effective 200830. *

EFLD 060 0:0-0
PLACE (Professional Learning as Community Experience)
Professional Learning as Community Experience.
Note: Pass/Fail grade. Other related fee: $100.00.

EFLD 061 0:0-0
PLACE (Professional Learning as Community Experience)
Professional Learning as Community Experience.
Note: Pass/Fail grade. Other related fee: $100.00.

EFLD 200 0:2-0
Yukon Elementary Practicum I
Required of all elementary students in the Yukon Native Teacher Education program leading to a BEd. Will normally be taken in the second year, winter term, for a total of 4 weeks.
Prerequistie: ECS 100
Note: Visiting or special students must seek permission from the Executive Director
Note: Pass/Fail grade

EFLD 205 2:0-2
Yukon Elementary Practicum I
Required of all elementary students in the Yukon Native Teacher Education program leading to a BEd. Will normally be taken in the second year, winter term, for a total of 4 weeks.
***Prerequisite: EPS 100 ***
*Note: Visiting or special students must seek permission from the Executive Director. *
*Note: Pass/Fail grade *

EFLD 305 2:0-2
Yukon Elementary Practicum II
Required of all elementary students in the Yukon Native Teacher Education Program leading to a BEd. Will normally be taken in the spring term for a total of 4 weeks.
***Prerequisite: EPS 225 ***
*Note: Visiting or special students must seek permission from the Executive Director. *
*Note: Pass/Fail grade *

EFLD 310 0:10-0
Teaching Experiences in the Pre-K to Grade 5 Classroom: Part I
This course provides students with guided practice in planning and preparing for teaching in an elementary (Pre-K to Grade 5) classroom; with experiences in teaching children in a Pre-K to Grade 5 classroom; with structured debriefing of those experiences; with relevant workshops; and support in reflecting upon their development as teachers.
Prerequisite: Admission to pre-internship
Note: Passing EFLD 310 is required to pass ECS 301

EFLD 311 0:8-0
Teaching Experiences in the Pre-K to Grade 8 Classroom: Part 2
This course provides students with continued guided practice in planning, preparing, implementing and reflecting upon units of study in Pre-K to Grade 5 classrooms; with teaching time in Elementary classrooms; and with workshops related to anti-oppressive education and equitable practices in Elementary curriculum, instruction, and assessment, as well as the ethical and legal roles and responsibilities of teachers.
Prerequisite: Permission of the Program Chair and completion of EFLD 310 *Note: Passing EFLD 311 is required to pass ECS 311*

EFLD 317 0:10-0
Teaching Experiences in the Middle Years Classroom: Part 1
This course provides students with guided practice in planning and preparing for teaching in a middle grade classroom; with experiences in teaching children in a middle grade classroom; with structured debriefing of those experiences; and with support in reflecting upon their development as teachers.
Prerequisite: Admission to pre-internship
Note: Passing EFLD 317 is required to pass ECS 301 for Middle Years students

EFLD 318 0:10-0
Teaching Experiences in the Middle Years Classroom: Part 2
This course provides students with continued guided practice in planning, preparing, implementing and reflecting upon units of study for middle years classrooms. Particular attention will be paid to the inclusion of aboriginal content and perspectives and equitable practices in curriculum, instruction and evaluation. ***Prerequisite: Permission of the Program Chair and completion of EFLD 317***
Note: Passing EFLD 318 is required to pass ECS 311 for Middle Years students

EFLD 400 15:0-15
Secondary Internship - Internat secondaire
Required of all secondary students in all programs leading to a BEd or a BEAD. Can be taken either term although usually taken in the fall term for a total of 16 weeks.
***Prerequisite: Completion of pre-internship term and permission from the program area are required to register. ***
** Visiting or special students must seek permission from the Director of Professional Development. **
*Note: Pass/Fail grade. Students must fill out the Workers' Compensation Agreement form. *
Internat secondaire:
Ceci est requis des étudiant.e.s de tous les programmes secondaires menant à un diplôme de BacEd. Cet internat est offert au semestre d'automne pour une durée de 16 semaines au minimum. Des étudiant.e.s qui ne sont pas inscrits au Bac ne sont pas admis.e.s.
***Préalable: Avoir complété le semestre du pré-internat. ***
* Les étudiant.e.s doivent remplir le formulaire d'entente de la Commission des accidents de travail. Évaluation: Réussite/échec. *

EFLD 401 1-14:14-0
Secondary Practicum - Stage secondaire
An alternate field experience for secondary students in programs leading to a BEd or certificate. Open to students whose goals require a unique form of practicum.
** Permission from the Director of Professional Development is required to register. **
*Note: Students must fill out the Workers' Compensation Agreement form. Pass/Fail grade. *

Stage secondaire:
Ceci constitue un alternatif a l'internat du secondaire menant à un diplôme de BacEd ou un certificat. Ce stage procure une variéetée d'experiences à ceux et celles qui visent une pratique unique en son genre.
** Accessible aux étudiant.e.s sur l'avis du conseiller et l'approbation de directeur de developpement professionnel. **
* Les étudiant.e.s doivent remplir le formulaire d'entente de la Commission des accidents de travail. Évaluation: Réussite/échec. *

EFLD 402 15:0-15
Arts Education Internship
Required of all Arts Education students in all programs leading to a B.Ed. or a B.E.A.D. Can be taken either term although usually taken in the fall term for a total of 16 weeks.
***Prerequisite: Completion of pre-internship term. Permission from the program area is required to register. ***
*Note: Visiting or special students must seek permission from the Director of Professional Development. *
*Note: Students must fill out the Workers' Compensation Agreement form. Pass/Fail grade. *

EFLD 403 1-14:14-0
Arts Education Practicum
An alternate field experience for arts education students in programs leding to a BEd or certificate. Open to students whose goals require a unique form of practicum.
***Prerequisite: Permission from the Director of Professional Development is required to register. ***
*Note: Students must fill out the Workers' Compensation Agreement form. Pass/Fail grade. *

EFLD 405 15:0-15
Elementary Internship - Internat élémentaire
Required of all elementary students in all programs leading to a BEd or a BEAD. Can be taken either term although usually taken in the fall term for a total of 16 weeks.
***Prerequisite: Completion of pre-internship year (EPS 225) and permission from the program area is required to register. ***
*Note: Visiting or special students must seek permission from the Director of Professional Development. *
*Note: Students must fill out the Workers' Compensation Agreement form. Pass/Fail grade. *
Internat elementaire:
Ceci est requis de tous les programmes menant au diplôme de BEd (anglais ou francais). Normalement il est offert au semestre d'automne pour une durée minimum de 16 semaines. Ceux et celles qui ne sont pas inscrits au Bac ne sont pas acceptés.
***Préalable: Avoir complété le semestre du pré-internat. ***
* Les étudiant.e.s doivent remplir le formulaire d'entente de la Commission des accidents de travail. Évaluation: Réussite/échec. *

EFLD 406 1-14:14-0
Elementary Practicum - Stage élémentaire
An alternate field experience for elementary students in programs leading to a BEd or certificate. Open to students whose goals require a unique form of practicum.
***Prerequisite: Permission from the Director of Professional Development is required to register. ***
*Note: Students must fill out the Workers' Compensation Agreement form. Pass/Fail grade. *
Stage elementaire:
Ceci constitue un alternatif a l'internat de l'elementaire menant a un diplome de BEd ou un certificat. Ce stage offre une variete d'experiences a ceux et celles qui visent une pratique unique en son genre.
** Accessible aux etudiant.es sur l'avis du conseiller et l'approbation du directeur du developpement professionnel. **
* Les etudiant.es doivent remplir le formulaire d'entente de la Commission des accidents de travail. Evaluation: Reussite/echec. *

EFLD 407 15:15-0
Middle Years Internship
Required of all middle years students. Can be taken in either term although usually taken in the fall term for a total of 16 weeks. Visiting or special students must seek permission from the Director of Professional Development.
***Prerequisite: Successful completion of pre-internship year. ***
** Permission from the Program Area is required to register. **
*Note: Students must fill out the Worker's Compensation Agreement Form. Pass/Fail grade. *

EFLD 408 1-14:14-0
Middle Years Practicum
An alternate field experience for middle years elementary students in programs leading to a BEd or certificate. Open to students whose goals require a unique form of practicum.
** Consent of the Director of Professional Development is required to register. **
*Note: Students must fill out the Workers' Compensation Agreement form. Pass/Fail grade. *

EFLD 411 15:15-0
Pre-K to Grade 5 Elementary Internship
Required of all Pre-K to Grade 5 elementary students. Can be taken either term although usually taken in the fall term for a total of 16 weeks.
***Prerequisite: Successful completion of pre-internship year. ***
** Permission from the Program Area is required to register. Visiting or special students must seek permission from the Director of Professional Development. **
*Note: Students must fill out the Workers' Compensation Agreement Form. Pass/Fail grade. *

EFLD 412 1-14:14-0
Pre-K to Grade 5 Elementary Practicum
An alternate field experience for Pre-K to Grade 5 elementary students in programs leading to a BEd or certificate. Open to students whose goals require a unique form of practicum.
** Consent of the Director of Professional Development is required to register. **
*Note: Students must fill out the Workers' Compensation Agreement Form. Pass/Fail grade. *

EFRN French Education

EFRN 300 3:3-0
Core French Education - Grades 7 to 12
This course examines various FSL programs, the Saskatchewan Curriculum guide and the application of curriculum principles to the teaching of Secondary Core French.
***Prerequisite: FR 203 ***
*Note: This course is taught in French. Normally offered in fall only. *

EFRN 498 1-3:0-0
EFRN Independent Study II

EFRN 499 1-3:0-0
EFRN Independent Study I

EHE Health Education

EHE 001 0:0-0
Student Energy in Action for Regina Community Health (SEARCH)
Students will work as a team under the supervision of professional mentors to provide after hours primary health care services, with measures in place to ensure continuity of care and health promotion.

EHE 215 3:3-0
Elementary School Health Education: Methods, Content and Materials
The purpose of this course is to acquaint the students with the health programs, methods, content, and materials in both the elementary and middle years school levels.
***Prerequisite: Selection into the Elementary Program. ***

EHE 258 3:3-0
Personal and Community Health
The course focuses on basic background and content in health education, covering major areas such as environment, drugs, sex, consumer health, safety, mental health, nutrition, fitness, and aging.
*Note: Normally offered in winter only. *

EHE 300 3:3-0
Curriculum Construction in Health Education
A study of the conceptual frameworks and methods for teaching and assessing health curriculum in the middle years.
Prerequisite: EHE 258 and 30 credit hours, or permission of the health and physical education subject area
Note: Exceptions will be made for elementary education students

EHE 310 3:3-0
Health Education in the Elementary School (Pre-K to Grade 5)
This course provides the background information and skills teachers need to implement comprehensive school health education in the elementary years. It provides opportunities for students to learn how to help children reflect and act on health issues in their lives or in their communities.
***Prerequisite: For elementary pre-internship students only. ***

EHE 317 3:3-0
Teaching Health for Social Change
This course seeks to provide the skills needed to develop skills needed to promote authentic youth participation in health action plans and socially critical health curricula. It provides opportunities for students to learn how to help youth reflect and act on health issues in their lives or in their communities.
***Prerequisite: For elementary (middle years concentration) pre-internship students only. ***

EHE 350 3:3-1.5
School Health Education
A critical examination of secondary health curriculum through the exploration of holistic and analytic perspectives and the construction of personal-practical theory. ***Prerequisite: EHE 300 and KIN 260, or permission of the health and physical education subject area.***

EHE 385 3:3-0
Introduction to Drug Education
The physical, social, and psychological aspects of drug use, misuse and abuse, including pharmacological and rehabilitation problems. Particular emphasis is given to the methods of teaching.

EHE 487 3:3-0
Curriculum Content and Theories of Instruction in Family Life Education
Focus on the scope and purpose of family life and sex education. Emphasis will be on content, methods, and material from grades K-12.
***Prerequisite: EHE 258 or permission of the health and physical education subject area. ***

EHE 498 1-3:0-0
EHE Independent Study I

EHE 499 1-3:0-0
EHE Independent Study I

EIEA Indigenous Educational Administration

EIEA 355 3:3-0
Educational Administration: Indigenous Education Structure and Process (formerly EIAD 355)
An overview of administration in federal, provincial, and band-controlled schools with reference to constitutional, legal, and economic components.
***Prerequisite: EPS 225 or EPS 350 ***

EIEA 498 1-3:3-0
EIEA Independent Study I
Course reserved for independent study or project

EIEA 499 1-3:3-0
EIEA Independent Study II
Course reserved for independent study or special project in the student's field of special interest in education.

EIND Indigenous Education

EIND 100 3:3-5
Indigenous Education: Principles and Practices
Introduction To Indigenous Education: The focus of this course is on acquiring the knowledge and competencies of an effective Indigenous teacher. On campus labs are included.
Note: Normally Indigenous Education students only. Space permitting, others may be admitted with special permission. Students must fill out the Worker's Compensation Agreement Form. Credit can only be earned for one of EIND 100 or EPS 100.

EIND 116 3:3-0
Indigenous Educational Professional Studies
Introductory Indigenous Educational Professional Studies. Topics include basic principles of communication skills and Indigenous pedagogical approaches. *Note: Restricted to Education students and the First Nations Language Instructors Certificate students. Credit can only be earned for one of EIND 116 or EPS 116.*

EIND 200 3:3-2
Indigenous Education: Principles and Practices of Secondary Teaching
Focus is on the purposes and tasks of the teacher as decision-maker. Content (declarative, procedural, and attitudinal) consists of the fundamental processes and procedures of teaching in Indigenous contexts.
Prerequisite: EIND 100, a minimum of 6 Arts/Science/Indigenous Studies/Other courses; and acceptance into the Indigenous Education Secondary program.
Note: While it is desirable for BEAD students to have taken EIND 100, they may be permitted to take EIND 100 and EIND 200 concurrently. Students must fill out the Worker's Compensation Agreement form. Grading mode is Pass/Fail. Credit can only be earned for one of EIND 200 or EPS 200.

EIND 205 3:3-0
Introduction to Indigenous Education
The implications of culture and cultural change for education are examined using examples from First Nations cultures. Ways of integrating First Nations culture into classroom practice are examined.
Prerequisite: EPS 116 or permission from the First Nations University of Canada, Indigenous Education department head.

EIND 215 3:3-2
Indigenous Education: Principles and Practices in Elementary Teaching
This course provides instruction on, and practice in, basic Indigenous pedagogical approaches. Students will develop further ability in, and understanding the roles of teachers in Indigenous contexts.
Prerequisite: EIND 100
Note: Students must fill out the Worker's Compensation Agreement form. Grading mode is Pass/Fail. Credit can only be earned for one of EIND 215 or EPS 215.

EIND 225 3:3-2
Indigenous Education: Principles and Practices in Elementary Teaching II
Building on EIND 215, the course focuses on integrated and learner-centred instruction and the facilitation of learning in Indigenous contexts.
Prerequisite: EIND 215.
Note: Students must fill out the Worker's Compensation Agreement form. Grading mode is Pass/Fail. Credit can only be earned for one of EIND 225 or EPS 225.

EIND 305 3:3-5
Curriculum and Instruction Adaptation for Indigenous Education
Culturally relevant teaching methodologies for First Nations students are examined. Planning skills are developed for integration of First Nations content across the curriculum.
Prerequisite: EIND 205.

EIND 350 3:3-1
Indigenous Education: Principles and Practices of Secondary Teaching II
Making instructional choices: an Indigenous holistic view to teaching process and procedures for the secondary school teacher is fostered. Students study, practice, and reflect in classes, labs, and high schools.
Prerequisite: EIND 100, EIND 200, developed major: developed minor.
Corequisite: EPSY 350, subject area courses.

Note: Students must fill out the Worker's Compensation Agreement form. Grading mode is Pass/Fail. Credit can only be earned for one of EIND 350 or EPS 350.

EIND 405 6:3-0
Foundations of Indigenous Knowledge
This course will explore Aboriginal ways of knowing and being through an experiential approach in a cultural immersion setting. The respect, the dignity and the wisdom of Aboriginal peoples will frame the students' foundational understandings for teaching and learning in schools.
Prerequisite: One of CREE 100, SAUL 100, DENE 100, NAK 100 or DAK 100.
Note: Accommodation Fee of $125.00.

EIND 498 1-3:3-0
EIND Independent Study I
Course reserved for independent study or special project.

EIND 499 1-3:3-0
EIND Independent Study II
Course reserved for independent study or special project in the student's field of special interest in education.

EINH Indigenous Health Education

EINH 215 3:3-0
Introduction to Indigenous Health Education in Elementary School
Introduction to methods and materials for effective health education, particularly for First Nations students. Basic health concepts are studied within the framework of the traditional First Nations philosophy of health and wellness.
Prerequisite: EPS 100 or permission from First Nations University of Canada, Indigenous Education department head.

EINH 498 1-3:3-0
EINH Independent Study I
Course reserved for independent study or special project.

EINH 499 1-3:3-0
EINH Independent Study II
Course reserved for independent study or special project in the student's field of special interest in education.

EINL Indian Language Arts

EINL 200 3:3-0
Culture and the Acquisition of Language and Literacy
This course provides students with an understanding and analysis of how culture influences the development of language, literacy and communication skills with a particular focus on the language experiences of Aboriginal peoples in Canada.
***Prerequisite: 2nd year standing or permission of the instructor. ***

EINL 225 3:3-0
First Nations Language Arts: Oral and Written Communications
Students will learn the methodologies of teaching children to increase verbal and written skills in First Nations languages. Language development and curriculum development in the context of First Nations societies are stressed.
***Prerequisite: 102 level Indian language or ELNG 205 or permission from the First Nations University of Canada, Indigenous Education department head. ***

EINL 325 3:3-0
Bilingual/Bicultural Language Learning Processes
The cognitive and social aspects of second language learning and the processes of bilingual/bicultural development. Students explore the strategies that bilingual teachers can use in the classroom to enhance language learning.
***Prerequisite: An introductory course in the principles of teaching English as a Second Language or EINL 225. ***

EINL 335 3:3-0
Community Based Curriculum Development for First Nations (K-12) Languages
This course will focus on community based curriculum development and implementation procedures for First Nations language programs. Adaptation and modification of specific community based curriculum models will be examined.
***Prerequisite: EINL 225 or EINL 325 ***

EINL 450 3:3-0
Indian Language Immersion
This course is intended to provide students with increased fluency in an Indian language; to review First Nations languages immersion programs presently in use; and, to help students design, implement and evaluate Indian language immersion programs.
***Prerequisite: Fluency in a First Nations language, or Indian language 104, or EINL 325 or permission of the Department of Extension and Northern Operations at First Nations University of Canada. ***
*Note: Accommodation Fee $125.00. *

EINL 498 1-3:0-0
EINL Independent Study

EINL 499 1-3:0-0
EINL Independent Study

EIOE First Nations' Outdoor Education

EIOE 215 1.5:2-0
First Nations' Outdoor Education: Part I
The course will focus on outdoor education theory, and how to use it to enhance classroom teaching and to foster a healing environment. Students will learn activities and methods for teaching Aboriginal cultural customs and environmental studies for academic, personal, social and cultural growth.

EIOE 225 1.5:2-0
First Nations' Outdoor Education: Part II
The course will continue the focus on outdoor education theory, and how to use it to enhance classroom teaching and to foster a healing environment. Students will learn activities and methods for teaching Aboriginal cultural customs and environmental studies for academic, personal, social and cultural growth.

EISE Indigenous Special Education

EISE 332 3:3-0
First Nations/Minority Special Education (formerly EISP 332)
This course will examine current issues and trends in First Nations/minority special education from a theoretical base and practical approach. This course will explore and discuss current practices, policies and research as they concern culturally and linguistically diverse exceptional children in special education.
***Prerequisite: EPSY 322 ***

EIST Indigenous Studies Education

EIST 300 3:3-0
Introduction to Indigenous Studies Education (formerly EINS 300)
An introduction to Indigenous Studies Education in secondary schools including a critical examination of Indigenous Studies curriculum, instructional methods, assessment, and evaluation. Philosophies of First Nations education will also be explored.
Prerequisite: 12 credit hours of Indigenous Studies that are part of the major or minor, or permission of Indigenous Education department head.

EIST 350 3:3-0
Instruction and Evaluation in Secondary Indigenous Studies Education (formerly EINS 350)
This course will examine instructional methods and pedagogy for teaching Secondary Indigenous Studies to affect positive personal and social change. Program evaluation and evaluation of student learning will also be examined.
Prerequisite: EIST 300 and 18 credit hours of Indigenous Studies, or permission of the Indigenous Education department head.

EIST 400 3:3-0
Issues in Secondary Indigenous Studies Education (formerly EINS 400)
This course will examine issues that impact the teaching of Secondary Indigenous Studies including First Nations historical and contemporary issues. Appropriate methodologies to address the issues of race, culture, identity and ethnicity will be explored. ***Prerequisite: EIST 300 and 18 credit hours of Indigenous Studies, or permission of the Indigenous Education department head. ***

EIST 498 1-3:3-0
EIST Independent Study I
Course reserved for independent study or special project.

EIST 499 1-3:3-0
EIST Independent Study II
Course reserved for independent study or special project in the student's field of special interest in education.

ELIB Education for School Librarianship

ELIB 216 3:3-0
Children's Literature and the Elementary School Program
The selection, evaluation, and use of children's literature for elementary classrooms and school libraries.

ELIB 326 3:3-0
Young Adult Literature and the High School Curriculum
The selection, evaluation, and use of young adult literature for high school classrooms.
*Note: Normally offered in winter only. *

ELIB 498 1-3:0-0
ELIB Independent Study II

ELIB 499 1-3:0-0
ELIB Independent Study I

ELIT Literature Education

ELIT 101 3:3-0
Introduction to Literature Education, Kindergarten through Grade 6
This course, designed for students in the Arts Education Program, provides an historical and critical overview of orientations to literature curricula (cultural/historical, critical/responsive, and creative/productive); and with a variety of instructional methods and curricula approaches for teaching literature and writing from kindergarten through grade 6.
*Note: Normally offered in fall term only. *

ELIT 202 3:3-0
Introduction to Literature Education, Grades 7 Through 12
This course, designed for students in the Arts Education Program, concerns curricular issues and instructional methods for teaching literature and writing in grades 7 through 12. It provides a critical overview of curricula resulting from different schools of literary theory, and contrasts progressive and genre pedagogies with critical methods.
*Note: Normally offered in winter term only. *

ELIT 498 1-3:0-0
ELIT Independent Study II

ELIT 499 1-3:0-0
ELIT Independent Study I

ELNG Language Arts Education

ELNG 200 3:3-0
Linguistic Diversity and Teaching Language Arts
This course prepares future teachers to support children in learning to speak, read and write the English of the school. It covers the rule systems of language, contrasts among dialects, both first and second language acquisition, and the effects of poverty, transience and cultural diversity on literacy learning.
Prerequisite: ECS 110 or permission of the subject area.

ELNG 205 3:3-0
Language and Literacy Development
This course will prepare teachers to foster language development in the classroom by providing an overview of recent theory, research, and practice in language and literacy acquisition.
***Prerequisite: EPS 100 ***
*Note: Normally offered in fall term only. *

ELNG 300 3:3-0
Curriculum in Secondary School English
A study of the structure, articulation, implementation, and theoretical frameworks of typical high school English curricula with reference to and examination of alternative and special needs curricula.
***Prerequisite: Minimum of 21 credit hours in English or ELNG courses, or permission of the subject area. ***
*Note: Normally offered in fall term only. *

ELNG 310 3:0-0
Language and Literacy Practices: Elementary
Children?s language and literacy learning occurs at different rates, requiring differentiated instruction and support. Pre-service teachers are introduced to literacy development theories, approaches for teaching reading, writing, listening and speaking; integrating literacy across curricula; literacy abilities assessment; planning and organizing literacy instruction in the classroom; and the integration of IT with literacy learning.
Prerequisite: For elementary pre-internship students only

ELNG 316 3:3-0
Language Awareness
An introduction to educational linguistics for teachers of all levels. The theoretical subtopics of phonetics, phonology, morphology, syntax, semantics, discourse structure, language acquisition and sociolinguistics are taught. ***Prerequisite: Introductory language arts methodology course, ECS 100 or EPS 100, relevant teaching experience or permission of the subject area. *** *Note: Normally offered in fall term only. Recommended for those intending to apply for the Secondary Program (English major or minor). Permission required for those not in an Education program. *

ELNG 325 3:3-0
The Teaching of Writing
Classroom applications of recent theory, research, and practice in the teaching of writing for elementary pre-service teachers. Study of writers' processes and strategies through participation in a writing workshop.
***Prerequisite: ELNG 200 or ELNG 205 ***

ELNG 326 3:3-0
Teaching English as a Second Language
Principles of ESL teaching, methodology of teaching, lesson and unit planning, and examination and preparation of teaching and testing materials at the elementary, secondary, and adult levels.
***Prerequisite: ECS 100 or EPS 100 or relevant teaching experience, or permission of the subject area. ***

ELNG 350 3:3-0
Secondary English Methodology Literature
This course presents methods for teaching literature, drama, and film at the high school level. It emphasizes the translation of theory and content into classroom practice.
***Prerequisite: Major Curriculum Class (ELNG 300) for English Education majors; permission of the subject area for others. ***
*Note: Normally offered in winter term only. *

ELNG 351 3:3-0
Secondary English Methodology: Composition, Language and Media
This course presents methods for teaching English composition, language, and media. It emphasizes the translation of theory and content into classroom practice.
***Prerequisite: Major Curriculum Class (ELNG 300) and ELNG 316 for English Education majors; permission of the subject area for others. ***
*Note: Normally offered in winter term only. *

ELNG 450 3:3-0
Issues in Secondary English Education
In-depth consideration of issues in English Language Arts Education chosen from: censorship, gender, language and curriculum, culture and curriculum, response to literature, curriculum reform, linguistic diversity, evaluation, reporting, and others.
***Prerequisite: Completed Internship (EFLD 400) ***

ELNG 498 1-3:0-0
ELNG Independent Study II

EMCH Michif

EMCH 100 3:3-0
Michif Language and Learning
Introduction to Michif; designed to develop oral expression, grammar, and vocabulary with opportunities to practice, that include conversation, community involvement, and land based learning activities. This course will explore the unique Metis language, culture, and history of the people to encourage further revitalization in a classroom and community setting.

EMTH Mathematics Education

EMTH 200 3:3-0
Implementation and Assessment of Problem Solving in Mathematics
An exploration into teaching mathematics from a problem solving perspective. Classification, representation and retrieval strategies, and their implications for students' mathematical thinking and classroom teaching are examined.
Prerequisite: MATH 101 or MATH 110, or permission of the mathematics education subject area.

EMTH 215 3:3-0
Theory and Practice in Teaching Mathematics in the Elementary School
This course examines the structure of mathematics and methodology related to major curriculum topics, including problem solving, rational numbers, and geometry. A critical resource-based approach will be used to enable students to become familiar with, and make wise choices about, a variety of teaching strategies and curriculum materials.
***Prerequisite: For elementary pre-internship students only. ***

EMTH 217 3:3-0
Curricular Topics in Mathematics
This course addresses mathematics topics in the Saskatchewan middle years curriculum, focusing primarily on geometry, measurement, statistics and probability. By exploring these topics through problem-based and investigative approaches, students will expand their conceptual understanding of mathematics and develop an appreciation for the dynamic nature of mathematical ideas and processes.

EMTH 300 3:3-3
Curriculum Content in Secondary Mathematics I
This course explores four kinds of knowledge (curricular, pedagogical, content, and pedagogical content knowledge), and the relationship of each to the teaching of mathematics.
***Prerequisite: 12 credit hours of mathematics that are part of the major or minor, or permission of the subject area. ***
*Note: Normally offered in fall term only. *
*Note: Math Majors - EMTH 200 is a prerequisite for EMTH 300 *

EMTH 310 3:3-0
Teaching Mathematics in Elementary Schools
This course is designed to address the philosophies, goals, curriculum documents, and methods of instruction and assessment of early elementary school (PreK to 5) mathematics. A critical, resource-based approach to this course will provide opportunities for students to reflect on and construct understandings of key issues in mathematics education.
***Prerequisite: For elementary pre-internship students only. ***

EMTH 317 3:3-0
Teaching Mathematics in the Middle Years
This course is designed to address the philosophies, goals, curriculum documents, and methods of instruction and assessment of middle years (6-9) mathematics. A critical, resource-based approach to this course will provide opportunities for students to reflect on and construct understandings of key issues in mathematics education.
Prerequisite: For elementary (middle years concentration) pre-internship students only.

EMTH 325 3:3-0
Number Sense for the Elementary School Mathematics Teacher
This course develops mathematical content knowledge related to number sense through multiple approaches to learning, including using manipulatives and technologies for mathematical sense-making and communications. Topics include whole number operations/computations, counting principles, multiplicative comparisons and reasoning, measurement, rounding, estimation, fractions, ratios, rates, proportions, percents, integers, rational and irrational numbers, and number theory.
Prerequisite: EMTH 215, EMTH 310 or EMTH 317 or equivalent, or permission of the mathematics education subject area.
Note: Normally offered in winter term only.

EMTH 326 3:0-0
Spatial Reasoning for the Elementary School Mathematics Teacher
This course develops mathematical content knowledge related to spatial reasoning through multiple approaches to learning, including the use of manipulatives and technologies for mathematical sense making and communications. Topics include 2-D and 3-D geometric thinking and representations, transformational geometry, congruence, similarity, proportional reasoning, symmetries, Non-Euclidean geometry, topology and fractals.

EMTH 327 3:0-0
Modeling and Representation for the Elementary School Mathematics Teacher
This course develops mathematical content knowledge related to modeling and representation through multiple approaches to learning, including using manipulatives and technologies for mathematical sense-making and communications. Topics include modeling and representing quantitative relationships (algebraically and graphically), patterns, linear/non-linear functions, proportional relationships, and real-world situations using statistics and probability.

EMTH 335 3:3-0
Mathematics in the Inclusive Classroom: Assessment and Intervention
This course will explore approaches to teaching and planning mathematics by using methods that accommodate diverse learning needs. Attention will be paid to authentic and informal assessment, such as progress-based monitoring, curriculum-based measurement, and error analysis. In additional, inclusive instructional approaches, such as cognitive strategy instruction and schema-based instruction will be emphasized, as well as techniques to individualize programs.
Prerequisite: Enrollment in the Inclusive Education Certificate or enrollment in the (Inclusive)/Special Education Minor or enrollment in the Teaching Elementary School Mathematics Certificate or 6 credit hours in mathematics and mathematics education courses or permission of the instructor.

EMTH 350 3:3-1.5
Curriculum Content in Secondary Mathematics II
A follow-up to EMTH 300 dealing with more advanced secondary mathematics topics, assessment, and evaluation.
***Prerequisite: Major Curriculum Class (EMTH 300), MATH 223, and at least 9 additional credit hours in mathematics. ***
*Note: Normally offered in winter term only. *

EMTH 351 3:3-1.5
Theories of Instruction in the Teaching of Secondary School Mathematics
Techniques of secondary mathematics instruction. Discussion of expository, discovery, enquiry, and other approaches to mathematics teaching. Pre-internship school experiences and microteaching.
***Prerequisite: Major Currisulum Class (EMTH 300), Minimum of 18 credit hours in mathematics or permission of the mathematics education subject area. ***
*Note: Normally offered in winter term only. *

EMTH 425 3:0-0
Culturally Responsive Pedagogy in the Mathematics Classroom
In this course, students think critically about, and plan for, culturally responsive pedagogy (CRP) in school mathematics. Focusing on the theory and practice of CRP-related issues, including social justice, equity, Indigenous education, ethnomathematics, and linguistically-diverse learners, the course is grounded in critical, anti-oppressive, and inquiry-based philosophies.

EMTH 426 3:0-0
Research in Mathematics Curriculum, Instruction, and Assessment
Students engage in critical analysis and review of current research in mathematics curriculum, instruction and assessment. Drawing on critical and inquiry-based perspectives, the theory and practice of research in the field of mathematics education are explored in the contexts of SK mathematics curriculum development and individual classroom-based research.

EMTH 450 3:3-0
Post-Internship Seminar in Secondary Mathematics
A post-internship course to reflect on pedagogical issues from internship and the teaching of secondary mathematics. Further consideration of the fundamental aspects of instruction: planning, teaching and evaluation. Special topics for effective teaching.
***Prerequisite: Internship (EFLD 400) or approved teaching experience. EMTH 351 and MATH 223. ***
*Note: This is a required course for Mathematics Education majors. *

EMTH 498 1-3:0-0
EMTH Independent Study II

EMTH 499 1-3:0-0
EMTH Independent Study I

EMUS Music Education

EMUS 101 3:3-0
Introduction to Music Education: Part I
EMUS 101 will prepare pre-service educators to teach elementary music in general classroom settings within the context of Pre K-12 Arts Education Curriculum.

EMUS 202 3:3-0
Introduction to Music Education: Part II
EMUS 202 will prepare pre-service educators to teach middle years and secondary music in general classroom settings within the context of the Pre K-12 Arts Education Curriculum.

EMUS 320 3:3-2
Orff-Schulwerk Pedagogy
Orff-Schulwerk process is introduced through speech, singing, playing classroom instruments, movement.
***Prerequisite: Permission of Subject Area Chair ***

EMUS 350 3:3-0
Music Instruction in Secondary Schools
Methods of teaching instrumental, choral, and general music at the high school level, with emphasis on translating theory and research into practice.
***Prerequisite: Major Curriculum Class (EMUS 300) or permission of the music education subject area is required to register. ***
*Note: Normally offered in winter term only. *

EMUS 366 3:3-0
Methods and Materials for Class Choral Instruction
A course designed to survey current materials and practices with an emphasis on developing choral techniques required for a comprehensive choral program in the elementary, middle years, and secondary schools.
** Permission of the music education subject area is required to register. **

EMUS 377 3:3-0
Methods and Materials for Class Instrumental Instruction
Designed to cover current materials and practices suitable to the comprehensive instrumental music program in elementary and secondary schools.
***Prerequisite: MU 185, MU 186, and MU 187 or permission of the music education subject area. ***

EMUS 498 1-3:0-0
EMUS Independent Study II

EMUS 499 1-3:0-0
EMUS Independent Study I

ENEL Electronic Systems Engineering

ENEL 280 3:3-3
Electrical Circuits
DC circuits, Kirchoff's voltage and current laws, equivalent circuits, introduction to mesh and nodal methods, superposition, maximum power transfer, capacitors,
inductors, transient analysis of RL and RC circuits, introduction to AC steady
state analysis, introduction to electrical safety in engineering.
Prerequisite: Math 111

ENEL 281 3:3-3
Signals, Circuits, and Systems
The introductory aspects of signals, circuits and systems including: AC circuit analysis,frequency response, resonance, passive and active filters, second order transient analysis, conversion between time domain and frequency domain signals using the Laplace and Fourier Transforms.
Prerequisite: MATH 217 (concurrent enrolment allowed) and ENEL 280

ENEL 282 3:3-3
Semiconductor Devices
Semiconductor materials and conduction principles. The characteristics of common semiconductor devices, including: PN junction diodes, bipolar and field effect transistors, thyristors and photodiodes. Linear models, circuit analysis and application examples.
***Prerequisite: ENEL 280 ***

ENEL 371 3:3-3
Power and Energy I
Introduction to concepts of power systems including: single and three phase
AC power, delta-wye transformations transformers, per-unit system, transmission lines, introduction to synchronous machines, induction motors and safety in electrical systems.
Prerequisite: ENEL 281 and PHYS 201 or Permission of ESE Program Chair.

ENEL 380 3:3-3
Automation and Control
Programmable logic controllers, ladder logic, latches, timers, counters, flow control, and data handling instructions, sensors and actuators, state based design. Open and closed loop systems, mathematical modeling, Laplace transform, block diagrams and signal flow graphs, design and analysis of feedback systems, stability analysis, root locus, PID controllers, frequency domain technique.
Prerequisite: ENIN 233 or ENEL 281 and ENEL 280

ENEL 383 0-3:3-3
Analog System Design
Application of electronic components and systems. Topics include load control through active components, operational amplifier applications in amplifier, decision making and filtering applications. Switched mode and linear voltage regulation, power supply components, systems and safety, low frequency amplification. Concepts are presented in a design rich environment.
Prerequisite: ENEL 282 and ENEL 281

ENEL 384 3:3-3
Digital Electronics
The introductory aspects of digital electronic circuits, including basic principles of digital systems, logic function and gates, boolean algebra and combinational logic,
introduction to VHDL, introduction to FPGAs, combinational logic functions,
digital arithmetic and arithmetic circuits, introduction to sequential logic, counters
and shift registers, and state machine design.
Prerequisite: ENEL 282

ENEL 387 3:3-3
Microcontroller System Design
Design of microcontroller systems, including interfacing analog and digital circuits,
memory and peripheral devices, processor architecture, memory systems,
exceptions, interrupt control, and exception programming. Students will build an
integrated microcontroller system in their final lab project.
***Prerequisite: ENSE 352 and ENEL 384 ***

ENEL 389 3:3-3
Control Systems
The study, analysis, and application of sensors and transducers considering the practical aspects of noise, accuracy, precision, and calibration. The operation of electronic measuring equipment, instrumentation systems, and interfacing.
***Prerequisite: ENEL 380 ***

ENEL 390 3:3-3
Communication Theory
An introduction to information theory and telecommunication signals and methods. Definition of information, time to frequency relations, application of Fourier series and the Fourier transform, types of modulation, theory of discrete sampling and the Nyquist sampling rate.
***Prerequisite: ENEL 281 and MATH 217 ***

ENEL 392 3:3-3
Engineering Electromagnetics
Maxwell's equations, dielectric and magnetic properties of matter and multipoles.
***Prerequisite: PHYS 201 and MATH 213 ***

ENEL 393 3:3-3
Digital Communications
Error rates, optimum decision levels, statistical decision theory, matched filters, narrowband noise, system performance, optimum binary transmission, M-ary orthogonal signals, Shannon capacity expression, coding for error detection and correction, repeater systems.
***Prerequisite: ENEL 390 ***

ENEL 395 3:3-3
Transmission Lines and Antennas
Review of transmission line fundamentals, Smith charts, matching techniques, microstrip transmission lines, place waves, antenna fundamentals, and RF propagation.
Prerequisite: ENEL 281 and PHYS 201 or Permission of ESE Program Chair

ENEL 400 1:1-1
ESE Project Start-up
The main purpose of this course is to prepare students for their project design course, ENEL 417. Students form design teams. The teams will propose, develop, and present engineering design projects that they will pursue in ENEL 417. In
addition, each project group will orally present their proposal to their colleagues. Issues of safety, feasibility, and engineering responsibility, will be considered in this
course.
Prerequisite: ENEL 371, ENEL 390, ENEL 380 and ENEL 387 or permission of ESE Program Chair

ENEL 417 3:8-3
ESE Design Project
Typically, a functional device or system, incorporating electronic hardware and/or software in a team design, is to be designed, implemented, and tested. A formal written report, a demonstration of the project and an oral presentation of the work are required.
***Prerequisite: ENEL 400 and ENEL 387 ***

ENEL 472 0-3:3-3
Power Systems Fundamentals
Single and three phase machines, induction machine starting and protection circuits, transformer characteristics, fault current determination, per unit system and symmetrical components, industrial and utility protective devices, and
introduction to load flow.
Prerequisite: ENEL 371

ENEL 482 3:3-3
Power Systems
Application of concepts to power delivery and industrial use. Topics include power system stability/power quality, power system specification, and analysis/design. Course involves at least one design Project.
***Prerequisite: ENEL 472 ***

ENEL 484 3:3-3
Digital Process Control
Introduction to sampled data control theory. Modeling, analysis and design of digital control systems for industrial processes. Interfacing to instrumentation and control hardware. Applications.
***Prerequisite: ENEL 389 ***

ENEL 486 3:3-3
Analog Systems Design
Analog electronics fundamentals are extended to more complex applications and designs. Feedback amplifiers, oscillators, phase locked loops, high frequency amplifiers, high performance op-amp applications, advanced performance simulation.
***Prerequisite: ENEL 283 ***

ENEL 487 3:3-3
Embedded and Real-Time Software Systems
Software design practises for resource-constrained targets. Students will design and implement a number of embedded components, culminating by integrating them into a full embedded system involving aspects of feedback control, signal processing, or communications. Topics: Architectures for real-time systems. Fundamentals of real-time operating systems. Software design. Interfacing and communications. Speed, memory, and power performance tradeoffs. Testing. Dependability.
Prerequisite: ENEL 387 and CS 210

ENEL 489 3:3-3
FPGA Design Using VHDL
Introduction to FPGA digital system design. Students will learn a high-level hardware design language (VHDL), the concurrent and sequential statements of VHDL, the principle and practice of combinational circuit design, the principle and practice of sequential circuit design, Finite State Machine, Register Transfer Methodology, the synthesis and implementation of digital design on a FPGA device. Advanced synchronous digital design 3 techniques such as pipelining, parallelism, and caching. Students will develop a design and test it on an FPGA development board.
Prerequisite: ENEL 384

ENEL 492 3:3-3
Design of Computer Networks
Computer network fundamentals, network switching technologies, medium
access control protocols, computer networks hierarchical design approaches,routing protocols and their design issues, LAN models and their design, internet technologies, quality of service, network traffic flow control and measurement, network security.
Prerequisite: ENEL 393

ENEL 494 3:3-3
Telecommunication Systems Engineering
Approaches to the design of telecommunication systems based on specifications and constraints. Terrestrial and satellite communications. Audio, video, and telephone systems. Noise and receiver fundamentals.
***Prerequisite: ENEL 393 ***

ENEL 495 3:3-3
Digital Signal Processing
Representation of signals and systems, Fourier analysis, timefrequency spectrum, sampling and reconstruction of signals, aliasing, linearity and time-invariance, convolution, FIR filters, IIR filters, Z-transform, design and analysis of FIR and IIR filters, spectrum analysis using DFT/FFT, adaptive filters, simulation of DSP concepts using MATLAB/SIMULINK, hardware implementation of DSP applications. ***Prerequisite: ENEL 390***

ENEL 496 3-6:6-3
Directed Study in Engineering - an AA-ZZ series.
A course in special topics in which the student may do directed study in engineering under the supervision of a faculty member.
** A detailed outline of the proposed study must be approved by the program co-ordinator before registration. **

ENEV Environmental Systems Engineering

ENEV 223 3:3-3
Engineering, Environment, and Society
Introduction and application of environmental design in engineering practice, including public health and safety, environmental ethics, resource and energy systems, impacts of technology on society, sustainable development and environmental stewardship.
Prerequisite: ENGG 123

ENEV 261 3:3-3
Engineering Fluid Mechanics
Properties of fluids; fluid statics, mass, energy and momentum principles; steady state flow in pipe systems and open channels; flow measurement, dimensional analysis.
***Prerequisite: ENGG 240 and PHYS 109 ***

ENEV 281 3:3-3
Surveying, Mapping and Information Systems
Fundamental principles and methods of surveying fieldwork and computations. Concurrent lectures, fieldwork, and office work. Spatial information systems.
*** Prerequisite: ENGG 123 ***

ENEV 321 3:3-4
Applied Environmental Science
Study of biochemical effects of human activities on the environment; ecology and environmental pollution; materials and energy balances; chemical systems; basic concepts of aquatic and soil chemistry; water resources; transport phenomena; water pollution; human health risk assessment; water quality and treatment; wastewater treatment; public health aspects.
***Prerequisite: CHEM 104 ***

ENEV 322 3:3-3
Applied Microbial Systems
An introduction to microbial structure, physiology, and environmental relationships with emphasis on the application of microbial systems to environmental engineering. Includes a survey of microbiological processes that occur within and/or influence the function of engineered and natural systems.
***Prerequisite: ENEV 223 ***

ENEV 334 3:3-3
Applied Probability and Decision Making for Engineers
Probability and decision making for engineering systems and problems such as floods, containment, and traffic. Topics include hazard and risk analysis, regression, testing, distributions, Bayesian decisions, expected costs.
Prerequisite: STAT 160

ENEV 360 3:3-3
Environmental Hydraulics
Momentum, mass and energy balances in the design, synthesis and analysis of flow in pipes, open channels and porous media ; pumps; turbines; dams; spillways; culverts; diversion, conveyance and control structures.
***Prerequisite: ENEV 261 ***

ENEV 363 3:3-3
Water and Wastewater Engineering
The theory and design of systems and system components used in water treatment and distribution and in wastewater collection and treatment.
***Prerequisite: ENEV 321 ***

ENEV 372 3:3-1
Transportation Systems
Introduction to transportation as a system; roles of transportation in society; the technology of transportation; the transportation system and its environment; introduction to planning and management of regional transportation facilities.
***Prerequisite: CS 110 and ENGG 240 (concurrent enrolment is allowed) ***

ENEV 383 3:3-3
Geotechnical Engineering
Soil properties, water movement and seepage, stress distribution in soil masses, consolidation and settlement, lateral shear stress, slope stability analysis, shallow foundation design and retaining wall design. Emphasis will be on the environmental problems with the soil.
***Prerequisite: ENIN 241 and ENEV 384 ***

ENEV 384 3:3-3
Engineering Materials
Structure and properties of engineering materials, particularly steel, aggregate, and asphalt and Portland cement concretes. Introduction to soils. Environmental aspects of materials.
***Prerequisite: CHEM 104 ***

ENEV 400 1:1-0
EVSE Project Start-up
In this course a team design project for ENEV 415 is selected, preliminary project information gathered, and a project plan prepared. Students are advised to coordinate the chosen project topic with their approved electives in order to be better prepared for the completion of their ENEV 415 project.
Prerequisite: ENEV 321, ENEV 440 and an additional completion of 24 credit hours of ENEV courses or permission of EVSE Program Chair.

ENEV 408 3:3-3
Basic Structural Design
Design concepts and practices for simple beams, columns, connectors and structures in wood, steel and reinforced concrete. Basic types and problems in design of foundations.
Prerequisite: ENIN 241, ENGG 240 and ENEV 384

ENEV 415 3:1-0
Environmental Systems Engineering Design Project and Communications
Preparation and presentation of a report on an approved systems engineering design project. Basics of preparing and presenting engineering reports.
***Prerequisite: ENEV 400 ***

ENEV 421 3:3-3
Environmental Design and Impact
Environmental factors and their assessment with particular reference to engineering projects. Topics include mitigation measures and standards.
Prerequisite: ENEV 321

ENEV 422 3:3-1
Solid and Hazardous Waste Management
Legislative trends; sources and characteristics of municipal solid waste; Recycling waste materials; Collection, transfer and transport; Disposal options; Sanitary landfill, incineration, composting and bioconversion; Management and Planning; Hazardous Waste-Problems, impacts and treatment/ disposal.
***Prerequisite: ENEV 223 ***

ENEV 435 3:3-1
Engineering Project Management
Fundamentals of project management in an engineering environment. Support functions of time management and conflict resolution. Performance management. Project planning, scheduling and cost control. Contracts, warranties and liabilities. Special topics.
***Prerequisite: ENEV 334 ***

ENEV 440 3:3-3
Air Pollution Engineering
Air pollution effects and control regulations, atmospheric chemistry, air quality detection, pollution meteorology, air quality, modeling, air pollution control, techniques, and global atmospheric problems.
***Prerequisite: ENEV 321 ***

ENEV 462 3:3-3
Engineering Hydrology
Introductory engineering hydrology course. Topics include rainfall, snowmelt, infiltration, evaporation, streamflow, flood frequency analysis, flood routing, and runoff modeling.
Prerequisite: ENEV 261 and CS 110

ENEV 463 3:3-3
Water Resources Systems
Water resources planning and management. Topics include planning for hydroelectric, flood control, water supply and irrigation projects; stochastic processes; synthetic streamflow generation; simulation and optimization of water resource systems.
***Prerequisite: ENEV 462 ***

ENEV 465 3:3-3
Advanced Water and Wastewater Engineering
Advanced consideration of water and waste treatment systems and their components; sludge treatment and disposal; wastewater reclamation and reuse; effluent disposal.
***Prerequisite: ENEV 363 ***

ENEV 469 3:3-3
Groundwater Development and Contaminant Transport
Basic principles of fluid flow in saturated and unsaturated materials, well problems, groundwater quality, discussion of salt water intrusion, and modeling of groundwater flow and contaminant transport.
Prerequisite: ENEV 462 and ENEV 383. Concurrent enrolment allowed in ENEV 462

ENEV 475 3:3-1
Traffic Engineering
Study of the characteristics of traffic flow and methods of traffic control; introduction to traffic flow and queuing theory; roadway capacity and level of service analysis; speed and volume studies; traffic signs and signalization; computer control systems; and, accident analysis.
** Prerequisite: ENEV 372 ***

ENEV 480 3:3-3
Terrain and Site Analysis
The application of airphoto, satellite imagery and geomorphological interpretation to regional engineering problems, to management of resources, and to monitoring of the environment. On-site investigation techniques.
***Prerequisite: GEOL 102 ***

ENEV 484 3:3-3
Highway Design
Detailed geometric design of highways; functional and detailed geometric design of at-grade and grade separated intersections; and, introduction to design of flexible and rigid pavements.
***Prerequisite: ENEV 281, 372, and 384 ***

ENEV 495 3-6:6-3
Directed Study in Engineering - an AA-ZZ series.
A special topics course in which the student may do directed study in engineering under the supervision of a faculty member.
*Note: A detailed outline of the proposed study must be approved by the program coordinator before registration. *

ENGG — Engineering General

ENGG 051 0:0-0
Engineering Co-op Work Term
Four-month co-op work term approved by the Faculty and arranged by the University Co-op Office. Four work terms are required for co-op designation and are normally taken in sequence.
***Prerequisite: ENGL 100 ***

ENGG 052 0:0-0
Engineering Co-op Work Term
Four-month co-op work term approved by the Faculty and arranged by the University Co-op Office. Four work terms are required for co-op designation and are normally taken in sequence.
***Prerequisite: ENGG 051 ***

ENGG 053 0:0-0
Engineering Co-op Work Term
Four-month co-op work term approved by the Faculty and arranged by the University Co-op Office. Four work terms are required for co-op designation and are normally taken in sequence.
***Prerequisite: ENGG 052 ***

ENGG 054 0:0-0
Engineering Co-op Work Term
Four-month co-op work term approved by the Faculty and arranged by the University Co-op Office. Four work terms are required for co-op designation and are normally taken in sequence.
***Prerequisite: ENGG 053 ***

ENGG 071 0:0-0
Engineering Internship Term I
Four month sequential internship terms approved by the Faculty and arranged by the University Co-op Office. The total number of internship terms must correspond to the placement agreement stipulating months of employment. Students will liaise with a Faculty mentor during internship.

ENGG 072 0:0-0
Engineering Internship Term II
Four month sequential internship terms approved by the Faculty and arranged by the University Co-op Office. The total number of internship terms must correspond to the placement agreement stipulating months of employment. Students will liaise with a Faculty mentor during internship.
***Prerequisite: ENGG 071 ***

ENGG 073 0:0-0
Engineering Internship Term III
Four month sequential internship terms approved by the Faculty and arranged by the University Co-op Office. The total number of internship terms must correspond to the placement agreement stipulating months of employment. Students will liaise with a Faculty mentor during internship.
***Prerequisite: ENGG 072 ***

ENGG 074 0:0-0
Engineering Internship Term IV
Four month sequential internship terms approved by the Faculty and arranged by the University Co-op Office. The total number of internship terms must correspond to the placement agreement stipulating months of employment. Students will liaise with a Faculty mentor during internship.
***Prerequisite: ENGG 073 ***

ENGG 100 3:3-4
Engineering Graphics
Fundamentals of graphical communication and analysis. Manual and computer-aided sketching and drawing techniques; orthographic and pictorial projections; multi-view, isometric and oblique drawings; basic descriptive geometry; introduction to working drawings.

ENGG 123 3:3-3
Engineering Design and Communications
Students will be introduced to the concepts of engineering design and communications. In addition, the consequences of engineering projects on society will be explored.

ENGG 140 3:3-0
Mechanics for Engineers - Statics
Introduction to engineering mechanics including: force vectors , statics of particles and rigid bodies, centroids, mass centres, construction of free-body diagrams, analysis of structure, internal loads of structures and cables, distributed forces, moments of intertia and friction.
Prerequisite: MATH 110 (May be take concurrently)

ENGG 141 3:3-0
Mechanics for Engineers - Dynamics
Engineering applications of mechanical systems; kinematics and kinetics of particles and rigid bodies (such as gears, linkages and other mechanisms), free body diagram drawing and application sin dynamics, D'Alembert's Principle, work, energy impulse, momentum. Introduction to mechanical vibrations.
***Prerequisite: ENGG 140 and MATH 111 (may be taken concurrently) ***

ENGG 240 3:3-2
Engineering Science I - Mechanics
The application of the principles of mechanics to engineering problems. Topics include resultants of force systems, laws of equilibrium, forces in simple structures, friction, centroids, moments of inertia, kinematics and kinetics.
***Prerequisite: MATH 110 and PHYS 109 ***

ENGG 303 3:3-0
Engineering Economics and Evaluation
Evaluation of engineering systems; economic, social, environmental factors; engineering economics including interest, discounting, methods of comparative costing, capital recovery; assessment of non-economic factors and trade-offs; evaluation presentation.
Prerequisites: STAT 160 and ECON 201

ENGG 330 3:3-3
Engineering Numerical Methods
Application of numerical methods to engineering problems; topics includes sources and definitions of error, root finding, solutions of linear and non-linear systems of equations, regression, interpolation, numerical integration and differentiation, solution of initial value and boundary value ordinary differential equations. Introduction to finite difference and finite element methods. Applications include solving problems with MATLAB and ANSYS. ***Prerequisite: CS 110, MATH 111, MATH 122 and STAT 160***

ENGG 401 3:3-0
Engineering Law and Professionalism
Canadian law and professional engineering legislation topics include: environmental law, tort liability, contracts, tenders, corporations partnerships, patents, industrial design, copyright, trademarks and code of ethics.
***Prerequisite: One of ENEL 400, ENEV 400, ENIN 400, ENPE 400, or ENSE 400 ***

ENGG 411 3:3-3
Safety Systems Engineering and Management
Professional engineering responsibility towards safety includes introduction to health and safety programs; workplace incident assessments; risk hazard identification (from various disciplines); risk management fundamentals; engineering-related legislation, regulations, and codes; studies of best practises and safety management. Content involves engineering design, case analysis, development and use various tools.
Prerequisite: STAT 160 and completion of 75 credit hours

ENGG 436 3:3-0
Engineering Entrepreneurship
Explores the nature of engineering entrepreneurship; helps assess entrepreneurial potential and career strategy; identifies sources of new venture ideas; develops selection criteria, feasibility studies and venture proposal plans; and, addresses technological entrepreneurship in small and large organizations.
Prerequisite: Completion of 60 credit hours

ENGG 495 3-6:3-6
Directed Study in Engineering - an AA-AZ series
A course in special topics in whch the student may do directed study in engineering under the supervision of a faculty member.
Note: A detailed outline of the proposed study and pre/co-requisites must be approved by the program before registration.

ENGL	English

First Year Courses in English

Students with no previous University-level credit in English will take ENGL 100. In addition, students in the Faculties of Arts, Science and Media, Art, and Performance, and students who wish to take senior courses in English, must take ENGL 110 (refer also to note 1 following the description of ENGL 110 below).

ENGL 100 3:3-1
Critical Reading and Writing I
This course develops students' proficiency in critical reading and writing through the study of a wide range of non-literary and literary texts, and the study of composition, with emphasis on connections between modes of reading and writing.
Note: Students who are planning to repeat ENGL 100 should seek academic advising before doing so

ENGL 110 3:3-0
Critical Reading and Writing II
A study of a special topic in literature, which may include non-literary texts, in conjunction with a continuation of the writing program begun in ENGL 100.
***Prerequisite: ENGL 100 ***
*Note 1: Students who have passed former ENGL 100, Literature and Composition (4 credit hours) or former ENGL 120, 130, or 140 may not receive additional credit for ENGL 110. *
*Note 2: Every section of ENGL 110 has a different focus. Please consult the Department's Supplementary Calendar or the list of current course offerings on the Departmental website at:
http://www.arts.uregina.ca/english. *
*Note 3: Students who fail ENGL 110 twice should contact their faculty or their federated college immediately. *

ENGL 211 3:3-0
Literature Survey I
A survey of literature in English from the Middle Ages to 1800.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 212 3:3-0
Literature Survey II
A survey of literature in English from 1800 to the present.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 213 3:3-0
Survey of Canadian Literature
A survey of Canadian Literature in English from the pre-twentieth century to the present day.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 214 3:0-0
Survey of Indigenous Canadian Literature
This survey provides students with knowledge of the terms and issues central to an engaged study of Indigenous Canadian literature. Indigenous storytelling traditions are linked with developments in writing in the twentieth and twenty-first centuries, focusing on divergences and continuities in the writing. Drama, fiction, and poetry will be considered.
Prerequisite: ENGL 100 and 9 credit hours.

ENGL 221 3:3-0
Poetry
Practice in the analysis of poetry. Through the study of a wide range of poetic genres, this course provides students with a shared vocabulary of literary terms for the critical discussion of formal, stylistic and historical aspects of individual texts and of poetic traditions.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 222 3:3-0
Fiction
Practice in the analysis of fiction. Through the study of a wide range of fictional genres, such as the short story, the novella and the novel, this course provides students with methods and vocabulary for the formal, stylistic, cultural and historical study of both individual texts and traditions of fiction.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 223 3:3-0
Drama
Practice in the analysis of drama. Through the study of dramatic traditions and selected plays (considered both as written texts and as performance), this course provides students with methods and a shared critical vocabulary, to enhance their understanding, enjoyment, and critique of drama as a ritualized mode of cultural experience.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 251 3:3-0
Expository and Persuasive Writing
The theory and practice of expository and persuasive writing. Each student will be expected to write several papers in a variety of modes of writing.
***Prerequisite: A combined average of at least 60% in any two English courses numbered 100 or higher, and completion of at least 30 credit hours. ***

ENGL 252 3:3-0
Creative Writing I
An introduction to the craft of creative writing, with work in poetry, drama, and prose fiction.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 260 3:3-0
The Structure of Modern English
An introduction to the structure of modern English, with emphasis on speech sounds, sound patterns, word formation, sentence structure, and dialect variation.
***Prerequisite: ENGL 100, or a 100-level course in a language or in linguistics ***
*Note: Students who have successfully completed LING 200 or FR 226 are not permitted to enrol in this course for credit. *

ENGL 271 3:0-0
Health Studies and Literature
This course focuses on how knowledge of creativity, and understanding through reading and experiencing literature and culture, can be understood in the context of health studies. Students will learn to better understand how individuals experience, negotiate, and process illness, trauma, loss, dying, aging and suffering.
Prerequisite: ENGL 100.

ENGL 300 3:3-0
Chaucer
A study of some of the major works of Chaucer, including selections from "The Canterbury Tales".
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 301 3:3-0
Shakespeare: Comedies and Romances
A study of five to seven of Shakespeare's comedies and romances.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 302 3:3-0
Shakespeare: Histories and Tragedies
A study of five to seven of Shakespeare's histories and tragedies.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 303 3:3-0
Milton
A study of some of Milton's major works, including "Paradise Lost".
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 304 3:3-0
Selected Author - an AA-ZZ series.
Studies of the works of an author to be chosen and announced each term.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 310 3:3-0
Studies in the Literature of the Indigenous Peoples of North America - an AA-ZZ series.
Studies of selected texts from North American Indigenous literature, with attention given to historical perspective. ***Prerequisite: ENGL 100 and 110 ***

ENGL 312 3:3-0
Canadian Literature: Historical Periods - an AA-ZZ series.
Studies of selected texts from Canadian literature, with attention given to a particular historical period.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 313 3:3-0
Canadian Literature: Regional Literatures - an AA-ZZ series.
Studies of selected texts from Canadian literature, with attention given to a particular region.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 314 3:3-0
Canadian Literature: Genre - an AA-ZZ series.
Studies of selected texts from Canadian literature, with attention given to a particular genre.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 315 3:3-0
Canadian Literature: Special Topics - an AA-ZZ series.
Studies of selected texts from Canadian literature, with a focus to be chosen and announced with each offering.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 317 3:3-0
Studies in American Literature - an AA-ZZ series.
Studies of selected texts from American literature, with attention given to historical perspective.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 318 3:3-0
Studies in American Literature - an AA-ZZ series.
Studies of selected texts from American literature, with attention given to historical perspective.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 319 3:3-0
Studies in Women's Literature - an AA-ZZ series.
Studies of selected texts written by women, with attention given to historical perspective.
***Prerequisite: ENGL 100 and ENGL 110 ***

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ENGL 320 3:3-0
Studies in Women's Literature - an AA-ZZ series.
Studies of selected texts written by women, with attention given to historical perspective.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 322 3:3-0
Studies in the World Literatures in English - an AA-ZZ series.
Studies of literature from areas of the world that have experienced colonization.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 325 3:3-0
Studies in Medieval Literature - an AA-ZZ series.
Studies of selected texts from the Middle Ages, with attention given to historical perspective.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 327 3:3-0
Studies in Medieval Literature - an AA-ZZ series.
Studies of selected texts from the Middle Ages, with attention given to historical perspective.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 328 3:3-0
Studies in Renaissance Literature - an AA-ZZ series.
Studies of selected texts from the Renaissance, with attention given to historical perspective.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 329 3:3-0
Studies in Renaissance Literature - an AA-ZZ series.
Studies of selected texts from the Renaissance, with attention given to historical perspective.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 331 3:3-0
Studies in Restoration and Eighteenth Century Literature - an AA-ZZ series.
Studies of selected texts from the Restoration period and the eighteenth century, with attention given to historical perspective.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 335 3:3-0
Studies in Nineteenth Century Literature - an AA-ZZ series.
Studies of selected texts from the nineteenth century, with attention given to historical perspective.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 336 3:3-0
Studies in Nineteenth Century Literature - an AA-ZZ series.
Studies of selected texts from the nineteenth century, with attention given to historical perspective.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 338 3:3-0
Studies in Twentieth Century Literature - an AA-ZZ series.
Studies of selected texts from the twentieth century, with attention given to historical perspective.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 339 3:3-0
Studies in Twentieth Century Literature - an AA-ZZ series.
Studies of selected texts from the twentieth century, with attention given to historical perspective.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 340 3:3-0
Studies in Twentieth Century Literature - an AA-ZZ series.
Studies of selected texts from the twentieth century, with attention given to historical perspective.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 342 3:3-0
Special Studies in Historical Approaches to Literature - an AA-ZZ series.
Studies of selected texts in a specially defined context. The particular focus of the course will be chosen and announced each term.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 349 3:3-0
Methods for the Study of Literary History
An exploration of methods used in the reading of literary texts in a historical context. Students will be required to write papers which analyze literary texts by means of historical approaches.
***Prerequisite: ENGL 100 and 110 ***
*Note: Formerly numbered ENGL 210. Students may not receive credit for both ENGL 349 and ENGL 210. *

ENGL 351 3:3-0
Advanced Writing
An advanced course in the theory and practice of writing. Each student will be required to write several papers.
***Prerequisite: ENGL 251 or permission of the department head ***

ENGL 352 3:3-0
Creative Writing II - an AA-ZZ series.
An advanced course in the craft of creative writing. The course will specialize in one genre of writing each term.
***Prerequisite: ENGL 252 ***
** Permission of the department head is required to register. **
*Note: All students wishing to enrol in this course must submit a sample of their creative writing and be interviewed by the instructor before registering. *

ENGL 360 3:3-0
History of the English Language
The development of the English language from Germanic to Modern English, including changes in phonology, morphology, syntax, and vocabulary.
***Prerequisite: ENGL 260 or LING 100 ***

ENGL 363 3:3-0
History of Rhetoric
A chronological study of theories of rhetoric and rhetorical practice.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 367 3:3-0
Gender and Language
A study of issues related to gender and language, including stylistic variation between the sexes, differing male and female strategies for dealing with social context, and sexist language.
***Prerequisite: ENGL 100 and 110, or LING 220 ***
*Note: This course is cross-listed with WGST 367. Students may not receive credit for both ENGL 367 and WGST 367. *

ENGL 368 3:3-0
Special Studies in Language and Writing - an AA-ZZ series.
Studies of specific issues in language and/or writing. The particular focus of the course will be chosen and announced each term.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 371 3:3-0
Studies in the Novel - an AA-ZZ series.
A study of several novels from a generic perspective, with the particular focus to be chosen and announced each term.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 372 3:3-0
Studies in the Novel - an AA-ZZ series.
A study of several novels from a generic perspective, with the particular focus to be chosen and announced each term.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 374 3:3-0
Studies in the Short Story - an AA-ZZ series.
A study of several short stories from a generic perspective, with the particular focus to be chosen and announced each term.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 377 3:3-0
Studies in Drama - an AA-ZZ series.
A study of several plays from a generic perspective, with the particular focus to be chosen and announced each term.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 378 3:3-0
Studies in Drama - an AA-ZZ series.
A study of several plays from a generic perspective, with the particular focus to be chosen and announced each term.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 380 3:3-0
Studies in Poetry - an AA-ZZ series.
A study of several poems from a generic perspective, with the particular focus to be chosen and announced each term.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 384 3:3-0
Studies in Narrative - an AA-ZZ series.
A study of several narrative texts, with a focus to be chosen and announced each term.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 386 3:3-0
Special Studies in Genre - an AA-ZZ series.
A study of various literary texts, with a specialized approach to the question of genre. The specific focus of the course will be chosen and announced each term.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 387 3:3-0
Special Studies in Genre - an AA-ZZ series.
A study of various literary texts, with a specialized approach to the question of genre. The specific focus of the course will be chosen and announced each term.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 388 3:3-0
Methods for the Study of Literary Genre
An exploration of methods used in the study of literary genres. Students will be required to write essays which analyze literature according to generic approaches.
***Prerequisite: ENGL 100 and ENGL 110 ***
*Note: Formerly numbered ENGL 270. Students may not receive credit for both ENGL 388 and ENGL 270. *

ENGL 390 3:3-0
History of Criticism
A chronological study of theories of literary criticism from Plato to T.S. Eliot.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 394 3:3-0
Special Studies in Gender and Literature - an AA-ZZ series.
A study of several texts, with a specialized focus on the question of gender. The special topic of each course will be chosen and announced each term.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 395 3:3-0
Special Studies in Critical Theory - an AA-ZZ series.
Special topics in the area of critical theory. The particular focus of each course will be chosen and announced each term.
***Prerequisite: ENGL 100 and ENGL 110 ***

ENGL 399 3:3-0
Methods for the Study of Literary Theory
An exploration of methods used in some recent approaches to reading literary texts. Students will be required to write papers which offer textual readings based on the application of these approaches.
***Prerequisite: ENGL 100 and ENGL 110 ***
*Note: Formerly numbered ENGL 290. Students may not receive credit for both ENGL 399 and ENGL 290. *

ENGL 400 3:3-0
Studies in Old English Literature - an AA-ZZ series.
** Intended for Honours or prospective Honours students only. Students who are not English Honours majors require permission of the department head to register. **

ENGL 405 3:0-3
Studies in Middle English Literature - an AA-ZZ series.
** Intended for Honours or prospective Honours students only. Students who are not English Honours majors require permission of the department head to register. **

ENGL 410 3:3-0
Studies in 16th-Century Literature - an AA-ZZ series.
**Intended for Honours or prospective Honours students only. Students who are not English Honours majors require permission of the department head to register. **

ENGL 415 3:0-3
Studies in 17th-Century Literature - an AA-ZZ series.
** Intended for Honours or prospective Honours students only. Students who are not English Honours majors require permission of the department head to register. **

ENGL 420 3:0-3
Studies in Restoration and 18th-Century Literature - an AA-ZZ series.
** Intended for Honours or prospective Honours students only. Students who are not English Honours majors require permission of the department head to register. **

ENGL 425 3:0-3
Studies in Romantic Literature - an AA-ZZ series.
** Intended for Honours or prospective Honours students only. Students who are not English Honours majors require permission of the department head to register. **

ENGL 430 3:0-3
Studies in Victorian Literature - an AA-ZZ series.
** Intended for Honours or prospective Honours students only. Students who are not English Honours majors require permission of the department head to register. **

ENGL 435 3:0-3
Studies in 20th-Century Literature - an AA-ZZ series.
** Intended for Honours or prospective Honours students only. Students who are not English Honours majors require permission of the department head to register. **

ENGL 440 3:0-3
Studies in Canadian Literature - an AA-ZZ series.
** Intended for Honours or prospective Honours students only. Students who are not English Honours majors require permission of the department head to register. **

ENGL 445 3:0-3
Studies in American Literature - an AA-ZZ series.
** Intended for Honours or prospective Honours students only. Students who are not English Honours majors require permission of the department head to register. **

ENGL 455 3:3-0
Studies in Prose Fiction - an AA-ZZ series.
** Intended for Honours or prospective Honours students only. Students who are not English Honours majors require permission of the department head to register. **

ENGL 460 3:0-3
Studies in Drama - an AA-ZZ series.
** Intended for Honours or prospective Honours students only. Students who are not English Honours majors require permission of the department head to register. **

ENGL 465 3:0-3
Studies in Poetry - an AA-ZZ series.
** Intended for Honours or prospective Honours students only. Students who are not English Honours majors require permission of the department head to register. **

ENGL 475 3:0-3
Special Studies in Genre - an AA-ZZ series.
** Intended for Honours or prospective Honours students only. Students who are not English Honours majors require permission of the department head to register. **

ENGL 480 3:0-3
Studies in Literary Criticism and Theory - an AA-ZZ series.
** Intended for Honours or prospective Honours students only. Students who are not English Honours majors require permission of the department head to register. **

ENGL 485 3:0-3
Special Studies in Literature - an AA-ZZ series.
** Intended for Honours or prospective Honours students only. Students who are not English Honours majors require permission of the department head to register. **

ENGL 490 3:0-3
Honours Essay I
Work towards an Honours Essay. Students will be expected to submit a draft or preliminary work. As an alternative to a scholarly treatise, the essay may take the form of a creative work with a critical introduction.
***Prerequisite: Completion of 90 credit hours ***
** Permission of the department head is required to register **

ENGL 491 3:0-3
Honours Essay II
Completion of an Honours Essay, which will be graded by the supervisor in consultation with another member of the faculty. As an alternative to a scholarly treatise, the essay may take the form of a creative work with a critical introduction.
** Permission of the department head is required to register. **

ENGL 499 3:3-0
Bibliography and Methods of Research
The goal of this course is to teach techniques of literary research, the process of textual transmission, the editing process, and physical composition of books. Students will have the opportunity to research manuscript documents and variants.
***Prerequisite: Completion of 60 credit hours, and an average of at least 70% both overall and in English courses. ***

ENHS Environmental Health and Science

ENHS 101 3:3-0
Health Promotion and Administration
Students will be introduced to the fundamentals of health promotion and will examine health determinants from a variety of perspectives. Health promotion strategies which integrate community development principles, health education models and social marketing will also be explored. Historical and contemporary administrative concepts for public health professionals will be discussed.

ENHS 110 3:3-0
Introduction to Environmental Health
This course offers an overview of environmental health addressing fundamental topics and exploring applications. Core topics include disease agents, environmental epidemiology, toxicology, exposure assessment, risk assessment/ management, water and air quality, food safety and environmental health policy and regulation.

ENHS 250 3:3-0
Communicable Disease Control
Public health strategies in the prevention and control of communicable diseases are discussed. Topics covered include medical terminology, disease transmission, surveillance, immunization, infection control measures, emerging pathogens and antibiotic-resistant organisms.

ENHS 310 3:3-3
Food Hygiene and Protection
An introduction to the composition and structure of food. Topics include an overview of human nutrition, comparative nutritional value of foods, additives, contamination, spoilage, and preservation of food, with a focus on foods such as meat, fish, milk, and milk products. The course emphasizes examples from First Nations settings.
Prerequisite: BIOL 101 and CHEM 104 or enrolled in ENHS After Degree.

ENHS 311 3:3-3
Food Hygiene and Protection II
An examination of health protection in the manufacture, preparation, and serving of food in commercial and domestic situations. The course reviews relevant legislation regarding food and food facilities, inspection techniques, hazard analysis, and control strategies. Examples of food handling situations in First Nations settings are provided.
***Prerequisite: ENHS 310 ***

ENHS 320 3:3-0
Community Health and Epidemiology
Introduces the basic principles and methods of epidemiology in environmental health practice including outbreak investigations, the principles and methods of epidemiologic study design, analysis of data and interpretation of results. Examples of communicable and non-communicable disease epidemiology in First Nations are included.
Prerequisite: STAT 100 and ENHS 250 or enrolled in ENHS After Degree.

ENHS 340 3:3-3
Human Impacts on Environments
This course will describe human impact on environments. Topics include air and water quality, climate change, water/wastewater treatment and solid waste management. First Nations examples will be discussed.
Prerequisite: BIOL 101 and CHEM 104 or enrolled in ENHS After Degree.
Note: Students may not receive credit for both ENHS 340 and ENEV 223.

ENHS 350 3:3-3
Land-Use Management
A comprehensive study of land use, land reclamation, development, planning, and reviews. Special attention will be given to issues of importance of First Nations communities.
Prerequisite: ENHS 340 or may be taken concurrently.

ENHS 360 3:3-0
Health Risk Assessment
This course provides an understanding of the concepts, principles and methods of analyzing and mitigating the risk of disease or adverse health effects that may be attributed to the natural and built environments. Foundations of health impact assessment as a decision support tool will also be examined.
Prerequisite: ENHS 350.

ENHS 380 3:3-3
Environmental Health Research Project
An introduction to research design and methods including critical appraisal of environmental health and science research. Students will gain an understanding of ethical and practical considerations of conducting research particularly in reference to First Nations. Includes practical experience in research project development and data analysis.
Prerequisite: ENHS 320 or may be taken concurrently.

ENHS 400 3:3-3
Applied Environmental Science and Management
The study of the biological and chemical effects of human activities on the environment, including topics such as environmental pollution, water quality and treatment, water sources and resources, wastewater management and other public health concerns. Where possible, the course emphasizes aspects relevant to First Nations.
Prerequisite: ENHS 340.
Note: Students may not receive credit for both ENHS 400 and ENEV 321.

ENHS 401 3:3-0
Water and Wastewater Management
Introduction to the theory and design of water treatment and distribution systems, wells, cisterns, surface water systems, wastewater treatment and the principles of hydrology and hydraulics. Special attention is given to safe water supply designs for First Nations.
Prerequisite: ENHS 340 or may be taken concurrently.

ENHS 420 3:3-0
Environmental Health Law and Ethics
Provides knowledge about the main types of legislation encountered by environmental health personnel including enforcement, evidence collection, appropriate use of regulatory tools, development of prosecution beliefs, and prosecution and courtroom procedures. Special attention is given to the current status of and the development of appropriate health regulations for First Nations.
Prerequisite: ENHS 110 or may be taken concurrently.

ENHS 422 3:3-0
Shelter Environment
Introduction to basic principles of modern shelter and building codes emphasizing plumbing, heating, ventilation, lighting, and chemical and biological hazards associated with dwellings, hospitals, schools, offices, nursing homes, campgrounds, and daycares. Land-use planning and environmental health in emergency situations are reviewed. Issues are placed in a First Nations context.
Prerequisite: ENHS 350 or may be taken concurrently.

ENHS 430 3:3-0
Health Concerns in the Workplace Environment
Health and safety hazards found in the workplace environment are studied with special emphasis placed on common occupational health hazards in First Nations. Explores common workplace hazards, their causes and effects, and prevention measures; reviews risk assessment including probability of failure, hazard analysis, human reliability, and risk-based decision making.
Prerequisite: CHEM 140 or enrolled in ENHS After Degree.

ENHS 440 3:3-0
Environmental Toxicology
An introduction to the basic principles of environmental toxicology, the chemistry and source of toxic substances, and the human exposure and dose-response relationships. The methodologies, data sources, uncertainties and procedures for risk assessment are covered. The course emphasizes environmental toxins of concern to First Nations.
Prerequisite: CHEM 140 or enrolled in the ENHS After Degree.

ENHS 468 3:3-0
Environmental Health Methodology and Practice I
This course will give students an understanding of how public health inspectors apply knowledge and skills in actual practice. Topics include: recreational water quality, swimming pool operation, emergency preparedness, risk-based inspections and report writing. Equipment, technology and calculations commonly used in public health inspection will be also be explored.
Prerequisite: ENHS 420 or may be taken concurrently.

ENHS 470 3:3-3
Environmental Health Methodology and Practice II
This course is a continuation of ENHS 468.
Prerequisite: ENHS 468.

ENHS 490 9:9-0
Community-Based Practicum
Students will have the opportunity to apply knowledge and practice skills gained during their core ENHS courses. The practicum placement will be supervised in a professional setting. Students will receive feedback about performances in the field. This course is Pass/Fail.
Prerequisites: 10 ENHS courses including ENHS 250, 311, 350, 420, 422 and 470.

ENIN Industrial Systems Engineering

ENIN 233 3:3-2
System Dynamics
Lumped parameter linear analysis methods for mechanical, electrical, fluid and thermal systems. Linear differential equations to analyze system response to step and sinusoidal forcing functions. Analogous nature of these systems.
***Prerequisite: MATH 217 ***

ENIN 241 3:3-3
Mechanics of Deformable Solids
Introductory mechanics of materials, stresses and strains in two dimensions, torsion, indeterminate systems, beams - stresses and deflection, combined stresses, thin shells, columns, and Mohr's circle for stress and strain.
Prerequisites: ENGG 240 and MATH 111

ENIN 253 3:3-2
Engineering Thermodynamics
Fundamental laws of thermodynamics and their application to various engineering systems. Ideal and actual processes, power and refrigeration cycles.
Prerequisite: ENEV 261

ENIN 331 3:3-3
Simulation of Industrial Systems
Engineering approaches to model building and simulation of continuous and discrete systems. Simulation languages. Numerical methods in continuous systems modeling. Case studies in discrete systems simulation.
Prerequisite: STAT 160

ENIN 340 3:3-2
Human Factors Engineering
Anatomical, physiological, and psychological aspects of people in their work environment. Sensory processes and motor function, health, and morale. Social factors, stress, and psychosomatic effects. Work standards, safety, and schedules.
Prerequisite: ENIN 233 and ENIN 241

ENIN 343 3:3-3
Manufacturing Processes and Machinery
Manufacturing processes, methods, and related equipment. Foundry, heat treatment, and welding. Operational characteristics of manufacturing and manufacturing support machinery and equipment. Basic structure and properties of metals.
***Prerequisite: ENIN 241 ***

ENIN 349 3:3-3
Industrial Machine Design
Machine design problems using analysis and codes. Machines components and meshing components to achieve machine function. Elementary stress analysis of equipment configuration. Tolerances and allowances. Design drawings.
Prerequisites: ENIN 241 and ENIN 343

ENIN 350 3:3-2
Chemical Manufacturing Process
Mass and energy balances in chemical process industries. Applications including the petrochemical, pulp and paper, and mining industries. Environmental problems, thermodynamics, stoichiometry, chemical reactions, and computer applications.
***Prerequisite: CHEM 104 and ENIN 253 (concurrent enrolment is allowed) ***

ENIN 355 3:3-4
Heat Mass and Momentum Transfer
Differential equations of momentum, heat and mass transfer; dimensional analysis; heat conduction and convection; boiling and condensation; molecular diffusion; convective mass transfer; and, analogies between momentum, heat and mass transfer.
Prerequisite: ENEV 261 and ENIN 350

ENIN 370 3:3-3
Introduction to Mechatronics
Introduction to mechatronics; sensors and transducers, signal conditioning, mechanical and electrical actuation systems. Control of DC/servo motors using Pulse Width Modulation; system modeling, dynamic response of systems, closed-loop controllers, microcontrollers, digital logic, and programmable logic controllers.
Prerequisite: ENEL 280 and ENEL 380

ENIN 400 1:1-3
ISE Project Start-up
Students form design teams and select a project topic and faculty supervisor. Each team develops a project proposal, which is presented both orally and in written form.
Prerequisites: ENIN 453 and ENIN349 (concurrent enrolment allowed) or permission of the Program Chair

ENIN 413 3:1-0
ISE Team Design Project and Communications
Student's team design project is to be completed, written in acceptable report form and presented. Instruction will be given on the preparation and presentation of engineering reports in various audio/visual media.
Prerequisite: ENIN 400 (taken within same academic year)

ENIN 430 3:3-2
Systems Management
Approaches to management and optimization through problem identification, formulation, and qualitative and quantitative solutions.
Prerequisite: ENIN 331 or completion of at least 66 credit hours or permission of the Program Chair

ENIN 433 3:3-2
Risk Assessment and Decision Analysis
Probability of failure, hazards analysis, human reliability, reliability assessment, event tree and fault tree analysis and risk-based decision-making; decision consideration, inspection, testing and maintenance for critical components.
Prerequisite: STAT 160 and MATH 217

ENIN 440 3:3-2
Statistical Quality Control
Assessment and control of manufacturing processes using control charts. Quality inspection using acceptance sampling plans. Statistical tolerancing and process capability studies.
***Prerequisite: STAT 160 ***

ENIN 444 3:3-3
Computer-Aided Engineering
Computerized design aids, finite element analysis, design verification, simulation and testing. Control fundamentals as applied to numerical control machine systems. Specification, design, implementation and documentation of a design system. Robotics.
Prerequisite: CS 110 and ENIN 349. Concurrent enrolment allowed in ENIN 349.

ENIN 445 3:3-3
Computer Integrated Manufacturing
Components of computer-integrated manufacturing systems. Numerical controlled machines. Robot technology, group technology, and flexible manufacturing systems. Computer-aided process planning, inspection and quality control, and automated storage and retrieval systems.
***Prerequisite: ENIN 343 ***

ENIN 448 3:3-3
Facilities Planning and Design
Approaches to establishing location and layout of space, equipment, and services for industrial facilities. Criteria and data for generating alternatives. Material handling, flow, and balance. Environmental, human, and cost consideration.
***Prerequisite: ENIN 343 ***

ENIN 453 3:3-3
Mechanical Systems Equipment
Design, operation, and application characteristics of service equipment commonly used in manufacturing and process plant operations and facilities. Topics include compressors, pumps, piping systems, valves, hydraulic systems, fans, and heat exchangers.
***Prerequisite: ENIN 253 and ENEV 261 ***

ENIN 455 3:3-2
Energy Systems
Examination of a variety of existing and potential systems involving production, consumption, and environmental impact of chemical, electrical, and mechanical energy. Energy systems. Heat transfer and thermodynamic analysis. Economic analysis.
***Prerequisite: ENIN 253 ***

ENIN 456 3:3-3
Process Unit Operations and Design
Principles and equipment design for momentum, heat, and mass transfer operations in industries such as petrochemical and refining, mining and mineral processing, pulp and paper, and food processing.
***Prerequisite: ENIN 355 ***

ENIN 495 3-6:6-3
Directed Reading in Engineering - an AA-ZZ series
A special topics course in which the student may do directed study in industrial systems engineering under the supervision of a faculty member.
A detailed outline of the proposal study must be approved by the Program Chair before registration.

ENPE Petroleum Systems Engineering

ENPE 241 3:3-3
Introduction to Petroleum Engineering
Exposure to various disciplines within petroleum engineering including drilling, production, and reservoir engineering; professionalism and ethics in petroleum engineering.
*** Corequisite: GEOL 102 ***

ENPE 251 3:3-2
Reservoir Fluid Properties
Qualitative and quantitative phase behavior of petroleum reservoir fluids through the algebraic and numerical application of thermodynamic theory, equations of state, and empirical correlations; determination of engineering PVT parameters; and, phase behaviour of hydrocarbon systems.
***Prerequisite: MATH 217 (concurrent enrolment allowed) ***

ENPE 300 3:3-3
Fundamentals of Reservoir Engineering
Relationship of geology, basic reservoir properties, surface and interfacial phenomena, and the flow of fluids through porous media; general material balance, steady state, and transient models; classification of petroleum reservoirs, displacement of oil and gas, and reservoir estimation principles.
***Prerequisite: ENPE 241 and 251 ***

ENPE 302 3:3-0
Applied Reservoir Engineering
Analysis and prediction of reservoir performance by use of material balance. Reservoir performance by use of decline curves. Pressure maintenance, oil trapping, capillary number correlations, fluid displacement, fractional flow, displacement efficiency, areal and vertical sweep efficiencies, waterflooding design, and gas injections.
***Prerequisite: ENPE 300 ***

ENPE 360 3:3-3
Drilling Engineering
Drilling fluids, rotary drilling, drilling hydraulics, formation pore pressure and fracture resistance, casing design, directional drilling, horizontal drilling and drilling waster disposal.
Prerequisite: ENPE 300 and ENEV 261 (concurrent enrollment allowed for both)

ENPE 370 3:3-3
Petroleum Production Operations
Principles of oil and gas production. Artificial lift, inflow performance relationships, introduction to well stimulation, and production system design.
***Prerequisite: ENPE 300 and ENEV 261 ***

ENPE 380 3:3-3
Petroleum Treating Operations
Petroleum treating processes. Multiphase Seperation equipment design and operations; hydrocyclones, desalination, dehydration, hydrate, prevention, emulsion treating, and viscosity altering processes.
***Prerequisite: ENIN 355 ***

ENPE 381 3:3-3
Natural Gas Engineering
Determination of gas properties; estimation of reserves, material balance equation, decline curve analysis, and deliverability of individual gas wells. Single and multiphase flow in pipes, gas-condensate reservoirs; design of production facilities, metering, compression, gas storage, transmission and pipeline transportation.
Prerequisite: ENPE 300 (concurrent enrolment allowed)

ENPE 400 1:1-0
PSE Project Start-up
Definition of petroleum engineering design problems; identification of projects' topics, partners, and supervisors; proposal writing for engineering projects; approaches for carrying out the research and design; and, approaches for communicating research and design results.
Prerequisite: Completion of all the required 200 and 300 level ENPE courses

ENPE 410 3:3-3
Enhanced Oil Recovery Methods
Displacement processes for recovering additional hydrocarbons. Waterflooding, gas flooding, solvent flooding, and thermal recovery processes. Development of design techniques.
***Prerequisite: ENPE 302 ***

ENPE 419 3:1-0
PSE Design Project and Communications
Student's team design project is to be completed in an acceptable written and oral report form. Instructions will be given on the preparation and presentation of the engineering report related to the petroleum industry.
***Prerequisite: ENPE 400 ***

ENPE 435 3:3-3
Reservoir Stimulation
Formation damage mechanisms, introduction to reservoir stimulation techniques, matrix acidizing operation design, sandstone acidizing, carbonate acidizing, placement and diversion methods, introduction to rock mechanics, acid fracturing operations, hydraulic fracturing operations, fracture treatment design, treatment analysis and post-treatment evaluation.
Prerequsite: ENPE 370

ENPE 440 3:3-3
Well Logging and Formation Evaluation
Fundamentals of well logging for the determination of petrophysical properties in the near bore region, types of well logging devices, and applications of well logs for petroleum system management.
***Prerequisite: ENPE 241 ***
*** Corequisite: ENPE 460 ***

ENPE 450 3:3-3
Well Testing
Basic principles of well testing and interpretation for oil and gas production, pressure transient theory, principles of superposition, and application of well testing to homogeneous and heterogeneous reservoirs.
Prerequisite: ENPE 300
Corequisite: ENPE 360

ENPE 470 3:3-0
Reservoir Modelling
Fundamentals of modeling in petroleum engineering. Simulation methods as applied to specific problems in petroleum reservoir behavior; examples will be drawn from primary, secondary, and tertiary recovery phases of petroleum production.
***Prerequisite: ENPE 410 (concurrent enrolment is allowed) and ENGG 330 ***

ENPE 475 3:3-3
Evaluation of Oil and Gas Properties
General business skills related to the understanding of oil field cash flow projections, rate of return, royalties, taxes and other factors in measuring value creation as it relates to the petroleum industry.
Prerequisite: ENPE 302, ENPE 440 and ENGG 303

ENPE 486 3:3-0
Heavy Oil Recovery
Thermal Recovery Methods, theory and practice of thermal recovery methods; steam drive, cyclic steam injections, and insitu combustion. Models of combined mass energy transport. Estimates of heated reservoir volume and oil recovery performance. Wellbore heat losses and recovery production.
***Prerequisite: ENPE 302, 370 and ENIN 355 ***

ENPE 490 3:3-3
Petroleum Waste Management
Prevention and mitigation techniques in pipeline and oil field spills. Downhole disposal of waste fluids, surface disposal of oil field wastes, fire and other hazards, H2S and other toxic gases, and safety standards.
Prerequisite: ENPE 300 or ENEV 320 or ENEV 223

ENPE 495 3-6:6-3
Directed Study in Engineering - an AA-ZZ series.
A special topics course in which the student may do directed study in petroleum engineering under the supervision of a faculty member.
** A detailed outline of the proposal study must be approved by the Program Chair before registration. **

ENSE Software Systems Engineering

ENSE 350 3:3-3
Mathematical Programming for Software Engineers
Fundamental concepts of discrete mathematics (definitions, proofs, sets), discrete structures (graphs, state machines, modular arithmetic), algorithm complexity models, and numerical methods in engineering.
Prerequisite: Math 110, 122 and CS 210

ENSE 352 3:3-3
Fundamentals of Computer Systems Architectures
The course aims at providing the basic understanding of computer architecture. Topics include handheld device architecture, operating systems, component software design, and concurrent processing. Students are introduced to software concepts such as threading, remote procedure calls, multitasking, deadlocks, and concurrency.
Prerequisite: CS 210 and ENEL 384 (concurrent enrollment is allowed)

ENSE 353 3:3-3
Software Design and Architecture
Modeling and design of flexible software at the architectural level. Basics of model-driven architecture. Architectural styles and patterns. Middleware and application frameworks. Configurations and configuration management. Product lines. Design using Commercial Off-The-Shelf (COTS) software.
Prerequisites: CS 215

ENSE 374 0-3:3-3
Software Engineering Management
Principles of software engineering: requirements, design and testing. Review of principles of object orientation. Object oriented analysis using UML. Frameworks and APIs. Introduction to the client-server architecture. Analysis, design and programming of simple servers and clients. Introduction to user interface technology.
***Prerequisites: CS 210 ***

ENSE 400 1:1-0
ENSE Project Start-up
Students are given the opportunity to propose, develop and present engineering design projects which they are expected to further pursue in ENSE 477. Issues of safety, feasibility, and engineering responsibility are discussed. Student form design teams in this class and are expected to write a project plan document, compose a preliminary design document, and present their project to their fellow students.
Prerequisite: ENSE 470

ENSE 470 3:3-3
Software Systems Design
Detailed software design and construction in depth. In-depth coverage of design patterns and refactoring. Introduction to formal approaches to design. Analysis of designs based on internal quality criteria. Performance and maintainability improvement. Reverse engineering. Disciplined approaches to design change.
Prerequisites: ENSE 374

ENSE 471 3:3-3
User Interface Programming
Psychological principles of human-computer interaction. Evaluation of user interfaces. Usability engineering. Task analysis, user-centered design, and prototyping. Conceptual models and metaphors. Software design rationale. Design of windows, menus, and commands. Voice and natural language I/O. Response time and feedback. Color, icons, and sound. Internationalization and localization. User interface architectures and APIs. Case studies and project.
Prerequisites: ENSE 374

ENSE 472 3:3-3
Digital Networks
Introduction to information theory; network architectures and LAN implementation/configuration; network administration principles; communication protocols (i.e. TCP/IP stack); internet applications, wireless networks, physical lines (i.e. fibre, twisted pair, coax), network performance, troubleshooting and system security.
Prerequisites: CS 215

ENSE 473 3:3-3
Operating Systems for Industrial Applications
Characteristics and analysis of real time systems; specifications for industrial system applications and operating system issues that impact on interfacing, communications and digital designs; industry standards and reliability; exposure to some current systems (i.e., UNIX, OS/2, WINDOWS etc.); fundamental operating system concepts such as resource management, process scheduling, memory management and I/O control.
***Prerequisite: CS 215 ***

ENSE 474 0-3:3-3
Software Process Management
Software processes: standards, implementation, and assurance. Project management with a focus on requirements management and long-term evolution: Eliciting and prioritizing requirements, cost estimation, planning and tracking projects, risk analysis, project control, change management.
Prerequisite: ENSE 374

ENSE 475 3:3-0
Software Testing and Validation
Testing techniques and principles, types of defects, testing strategies, state based testing; configuration testing; compatibility testing; web site testing. Developing test plans. Managing the testing process. Problem reporting, tracking, validation and analysis.
Prerequisite: ENSE 374

ENSE 477 3:8-0
Software Systems Engineering Design Project
Development of significant software system, employing knowledge gained from courses throughout the program. This includes development of requirements, design, implementation, and quality assurance. Students follow a suitable process model and manage the project themselves, following appropriate project management techniques.
Prerequisites: ENSE 470

ENSE 479 3:3-3
Engineering Concepts in Sound Art
This course introduces the artistic practice and engineering design concepts within sound art. It covers a range of sound art practices including avant-garde sound, Musique Concrete, sound and 1960s art movements, electroacoustic music, sound sculpture, radio art, Acoustic Ecology, community-engaged sound art, sound art in performance, and engineering design concepts of new media.
***Prerequisite: Successful completion of 30 credit hours or permission of Program Chair ***

ENSE 480 3:3-3
Knowledge Base and Information Systems
This course analyzes the fundamentals of industrial knowledge management. Students will learn how to analyze a company and how to produce an information system. Topics include the fundamentals of Knowledge Base Management Information Systems and their impact on the business process, engineering an information system, Workflow Management Design, and reengineering for change management.
Prerequisite: ENSE 353 or completion of 81 SSE program related credit hours or permission of Program Chair

ENSE 481 3:3-3
Embedded Systems and Co-design
Embedded systems are increasingly common in modern systems design. This course will teach students how to take advantage of embedded systems technology in their system designs. Topics include: advanced microcontroller real-time design, co-design, embedded systems design issues, power considerations, and wireless considerations.
Prerequisite: ENEL 387 and ENEL 487

ENSE 482 3:3-3
New Media Technology
This course aims to provide a basic level of understanding to make it possible for engineers to work with designers and understand some of the constraints within New Media design. Topics include: definition of New Media, New Media narratives, Multimedia, integration, intermedia, the basic tools, and New Media design.
Prerequisite: ENSE 374

ENSE 483 3:3-3
Digital Wireless Systems
This course provides the skills necessary to understand and use systems from the point of view of protocol, bandwidth, and spectrum allocation. Topics include spectrum allocation, digital modulation, spread-spectrum communications fundamentals, digital radio protocols for modern wireless systems, working with CDPD, Bluetooth, and IEE 802.11a/b, interference and collision.
Prerequisite: ENSE 374

ENSE 496 3-6:6-3
Directed Study in Engineering - an AA-ZZ series
A course in special topics in which the student may do directed study in engineering under the supervision of a fauclty member.
** A detailed outline of the proposed study must be approved by the Program Chair before registration. **

ENST — Environmental Studies

ENST 200 3:3-0
Introduction to Environmental Studies
This course focuses on environmental issues studied from a geographical perspective. It introduces students to the philosophical, socio-economic, physical, and technological foundations underlying contemporary environmental issues.
Prerequisite: GEOG 120 and 121 or permission of the department head
Note: Students may receive credit for only one of ENST 200 or GEOG 226

ENST 400 3:3-0
Environmental Impact Assessment
This course gives students an opportunity to develop their skills in effectively analyzing, managing, and resolving natural resource conflicts. Students will be required to carry out a substantial piece of research work independently, develop knowledge of special interests, and build upon the experience gained.
***Prerequisite: ENST 200 and any two of GEOG 325, PSYC 340, SOC 330. ***

ENVS — Indigenous Environmental Science

ENVS 100 3:3-0
Introduction to Indigenous Environmental Science
This course will introduce students to the conceptual framework of the environment by examining its physical, biological, and social components with Indigenous perspectives. General topics will include: ecological principles and the responses of ecosystems to disturbance, population growth, biodiversity and conservation, and environmental sustainability.

ENVS 200 3:3-0
Indigenous Environmental Law
This course provides students with a comprehensive overview of environmental law, regulation and policy at the provincial and federal levels. Students will also be introduced to land use and environmental protection, natural resource development, rights associated with hunting, fishing and gathering, and approaches to Indigenous lands and resources.
Prerequisite: ENVS 100 or 30 credit hours

EOE — Outdoor Education

EOE 224 3:3-0
Introduction to Outdoor Education
A foundational course utilizing an interdisciplinary approach to the study of the nature and scope of outdoor education, its potential in the education process; techniques of conducting outdoor learning experiences.
***Prerequisite: Second-year standing in the Faculty of Education. ***
*Note: Normally offered in fall term only. *

EOE 338 3:3-3
Utilization of the winter Environment for Outdoor Education
A developmental course in outdoor education using an interdisciplinary approach to the acquisition of personal skills, knowledge, and attitudes related to the winter outdoor environment.
***Prerequisite: EOE 224 or permission of health and physical education subject area. ***
*Note: Normally offered in winter term only. *

EOE 339 3:3-3
Utilization of the Summer Environment for Outdoor Education
A developmental course in outdoor education, using an interdisciplinary approach to the acquisition of personal skills, knowledge, and attitudes related to the summer outdoor environment.
***Prerequisite: EOE 224 ***
*Note: Accommodation Fee $250.00. *

EOE 414 3:3-0
Implementation of Outdoor Education Programs
A study of the ecological, historical, recreational, and aesthetic features of the year-round environment as a basis for designing a K-12 curriculum linked to outdoor education philosophy.
***Prerequisite: EOE 224 and 6 credit hours of study in areas related to outdoor education. ***
*Note: Normally offered in winter term only. *

EOE 498 1-3:0-0
EOE Independent Study II

EOE 499 1-3:0-0
EOE Independent Study I

EPE Physical Education

EPE 100 3:3-0
Introduction to Teaching Physical Education
Designed specifically for students preparing to teach physical education at the middle and high school levels. Objectives, instructional procedures, and curriculum are considered for elementary school physical education.
*Note: Normally offered in fall term only. *

EPE 215 3:3-0
Physical Education in the Elementary School
An overview of teaching methods, curriculum content and materials, and their application in elementary physical education. Appropriate use of supplies and equipment.

EPE 300 3:3-0
Curriculum Content and Instruction for Elementary and Secondary School Physical Education
A study of the nature and scope of the school physical education program, analysis of selected curricula, development of curriculum support materials, study of program components, facilities, and equipment.
***Prerequisite: Minimum of 21 credit hours in approved physical education courses. ***
*Note: Normally offered in fall term only. *

EPE 310 3:3-0
Physical Education in the Elementary School (Pre-K to Grade 5)
This course is designed specifically for student teachers preparing to teach physical education to Elementary students. The course focuses on an overview of curriculum content, teaching methods, assessment and evaluation and learning resource materials and their application in teaching physical education in the context of schools and society today.
***Prerequisite: For elementary pre-internship students only. ***

EPE 317 3:3-0
Teaching Physical Education in the Middle Years
This course is designed specifically for student teachers preparing to teach physical education to Middle Years students. The course focuses on an overview of curriculm content, teaching methods, assessment and evaluation and learning resource materials and their application in teaching physical education in the context of schools and society today.
***Prerequisite: For elementary (middle years concentration) pre-internship students only. ***

EPE 350 3:3-1.5
Theories of Instruction in Secondary School Physical Education
A study of current trends in teaching physical education, analysis of teaching methods, course organization and management, utilization of teaching aids, and evaluation procedures.
***Prerequisite: Major Curriculum Class (EPE 300), Minimum of 18 credit hours in approved physical education courses and EPE 100. ***

EPE 489 3:3-0
Post-Internship Seminar in Physical Education
A clinical and problem-solving approach to the teaching of physical education in the secondary school. Opportunity will be provided for students to undertake individual studies of specified pedagogical problems.
***Prerequisite: Minimum of 21 credit hours in physical education courses or permission of the subject area, and successful completion of internship. ***
*Note: Normally offered in winter term only. *

EPE 498 1-3:0-0
EPE independent Study II

EPE 499 1-3:0-0
EPE independent Study I

EPS Professional Studies in Education

EPS 100 3:3-5
Intro to Education: Principles and Practices
The role of schooling and the teacher; the nature of teaching as a career. In-school and on-campus labs. This course should be taken in the first year of program.
*Note: Normally Education students only. Space permitting, others may be admitted with special permission. Students must fill out the Workers' Compensation Agreement form. *
* Please note that the French version of this course is no longer available and will now be offered as ECSF 100, effective 200830. *

EPS 116 3:3-0
Communication Skills
To assist education students in improving their communication skills for better teaching.
*Note: Restricted to Education students and the First Nations Language Instructors' Certificate students and students in the Level II Certificate in Child and Family Studies. *

EPS 200 3:3-2
Principles and Practices of Secondary Teaching
Focus is on the purposes and tasks of the teacher as decision-maker. Content (declarative, procedural and attitudinal) consists of the fundamental processes and procedures of teaching.
***Prerequisite: EPS 100, a minimum of 6 Arts/Science/Other courses; and acceptance into the secondary program. ***
** Recommendation from the EPS 100 team and the major Subject Area is required to register. **
*Note: While it is desirable for BEAD students to have taken EPS 100, they may be permitted to take EPS 100 and EPS 200 concurrently. Students must fill out the Workers' Compensation Agreement form. Note: Pass/Fail grade. *
* Please note that the French version of this course is no longer available and will now be offered as EPSF 300, effective 200830. *

EPS 215 3:3-2
Principles and Practices of Elementary Teaching
This course provides instruction on, and practice in, basic instructional approaches. Students will develop further ability in, and understanding of, the roles of teachers in schools.
***Prerequisite: EPS 100 ***
*Note: Students must fill out the Workers' Compensation Agreement form. Pass/Fail grade. *
* Please note that the French version of this course is no longer available and will now be offered as EPSF 315, effective 200830. *

EPS 225 3:3-2
Principles and Practices of Elementary Teaching: II
Building on EPS 215, the course focuses on integrated and learner-centred instruction and the facilitation of learning.
***Prerequisite: EPS 215 ***
*Note: Students must fill out the Workers' Compensation Agreement form. Pass/Fail grade. *
* Please note that the French version of this course will no longer be available and will now be offered as EPSF 325, effective 200830. *

EPS 350 3:3-1
Principles and Practices of Secondary Teaching: II
Principles and Practices of Secondary Teaching: II
Making instructonal choices: a holistic view to teaching process and procedures for the secondary school teacher is fostered. Students study, practise and reflect in classes, labs, and high schools.
***Prerequisite: EPS 100; EPS 200; developed major; developed minor; recommendations of the EPS 200 instructor, EPS 200 co-operating teacher and the major subject area. ***
** Corequisite: EPSY 350; subject area instruction courses. **
*Note: Students must fill out the Workers' Compensation Agreement form. Pass/Fail grade. *
* Please note that the French version of this course is no longer available and will now be offered as EPSF 350, effective 200830. *

EPS 498 1-3:0-0
EPS Independent Study II

EPS 499 1-3:0-0
EPS Independent Study I

EPSF — Education Professional Studies (Études professionnelles en éducation - francais)

EPSF 300 3:3-0
Théories et pratique de l'enseignement au secondaire, I
Les buts et les responsabilités de l'enseignant.e au secondaire sont ici considérés par rapport au processus de prise de décision. Le contenu du cours englobe la demarche et le processus de l'enseignement.
***Préalable : Être en troisième année du Bac secondaire, accepté.e au BEAD secondaire ou avec la permission du Bac. ***
* Les étudiant.e.s doivent remplir le formulaire d'entente de la Commission des accidents de travail. Évaluation: Réussite/échec. *

EPSF 315 3:3-0
Théories et pratique de l'enseignement à l'élémentaire, I
Ce cours aborde les connaissances fondamentales et la pratique des stratégies pédagogiques a l'élémentaire. Il vise à rendre les étudiant.e.s capables de mieux comprendre et de s'approprier le rôle de l'enseignant.e.
***Préalable : Être en troisième année du Bac élémentaire, accepté.e au BEAD élémentaire ou avec permission du Bac. *** * Les étudiant.e.s doivent remplir le formulaire d'entente de la Commission des accidents de travail. Évaluation: Réussite/échec. *

EPSF 325 3:3-0
Théories et pratique de l'enseignement à l'élémentaire, II
Faisant suite au cours EPSF 315, ce cours mettra l'accent sur l'intervention pédagogique centrée sur et subordonnée aux processus d'apprentissage de l'apprenant.
***Préalable: EPSF 315 ***
* Les étudiant.e.s doivent remplir le formulaire d'entente de la Commission des accidents de travail. Évaluation: Réussite/échec. *

EPSF 350 3:3-0
Théories et pratique de l'enseignement au secondaire, II
Une approche globale du processus d'apprentissage-enseignement au secondaire à travers l'étude, la pratique et la réflexion.
***Préalable : EPSF 300 ***
* Les étudiant.e.s doivent remplir le formulaire d'entente de la Commission des accidents de travail. Évaluation: Réussite/échec. *

EPSF 498 1-3:3-0
EPSF Independent Study I

EPSF 499 1-3:3-0
EPSF Independent Study II

EPSY — Educational Psychology

EPSY 205 3:3-0
Understanding and Enhancing Student Development
A study of children through the preschool, elementary, and middle school years. The focus is on how students develop and learn. Emphasis is on developing observation, interaction, and mediation skills.
***Prerequisite: Admission to second year of elementary education program or permission of the department head, First Nations University of Canada, Indigenous Education. ***
* Please note that the French version of this course is no longer available, effective 200830. *

EPSY 217 3:3-0
Teaching as a Helping Profession
This course provides an overview of basic communication skills used in counselling settings but appropriate for the classroom. Students will also be provided with an opportunity to examine the role of social context in developing a non-stereotypic framework for communication. Emphasis is placed on understanding, self-awareness about their own personal biases, as well as effective communication skills development.

EPSY 225 3:3-0
Assessing Student Learning
An introduction to basic principles and practices in assessing learning during the early childhood, elementary and middle years. Focus will be on melding theory and practice.
*Note: Normally offered in fall term only. *
* Please note that the French version of this course is no longer available and will now be offered as EPSY 425, effective 200830. *

EPSY 322 3:3-0
Students with Exceptional Needs in the Inclusive Classroom
An introduction to universal design for learning and differentiated instruction for the inclusive classroom and school. Course content also includes an overview of characteristics and instructional implications associated with specific disabilities.
***Prerequisite: For elementary and arts education students: EPS 225 and completion of pre-internship. For secondary minor students: one of PSYC 101, 102, 210, KHS 151 or SW 421. ***
Note: In special cases, for experienced teachers, with permission, EPSY 322 may be a corequisite for EPSY 323, 324, 326, 328, 329, 330, 331 and 332AA
* Please note that the French version of this course is no longer available and will now be offered as EPSY 418, effective 200830. *

EPSY 323 3:3-0
Designing Learning Environments for the Inclusive Classroom
A dynamic non-categorical approach to assessment and instruction for students with diverse learning styles and disabilities within the regular classroom. ***Prerequisite: EPSY 322, EPSY 400, or EPSY 418***

EPSY 324 3:3-0
Individual Assessment and Differentiated Instruction in the Inclusive Classroom
A case study approach to assessment, instruction and evaluation of individual students with diverse needs. The emphasis is on effective collaboration to meet individual student needs.
Prerequisite: EPSY 322, EPSY 400, or EPSY 418

EPSY 326 3:3-0
Change, Collaboration and Consultation to Support Inclusive Education
The course explores theories and processes for planning, implementing and sustaining educational change. Course content includes processes for collaborating and consulting with teachers, families, paraprofessionals and other professionals to support inclusive education.
Prerequisite: EPSY 322, EPSY 400, or EPSY 418

EPSY 328 3:3-0
Communication Disorders in the Inclusive Classroom
This course focuses on a range of communication disorders (including identifying characteristics). Educational implications are discussed and practical classroom management strategies presented.
Prerequisite: EPSY 322, EPSY 400, or EPSY 418

EPSY 329 3:3-0
Enhancing Inclusive Classroom Management
A dynamic, systemic approach to the development of a positive classroom environment. The course will address a range of theoretical and practical approaches for prevention and intervention for behavioural issues in the inclusive classroom with an emphasis on positive behavioural supports and interventions. ***Prerequisite: EPSY 322, EPSY 400, or EPSY 418***

EPSY 330 3:3-0
Autism Spectrum Disorders in the Inclusive Classroom
An overview of the nature of autism spectrum disorders, the associated characteristics, and strategies for instruction and behavioural support.
Prerequisite: EPSY 322, EPSY 400, or EPSY 418

EPSY 331 3:3-0
Contemporary Trends in Inclusive Education
An exploration of contemporary trends and issues shaping the fields of inclusive and special education. Topics may include: functional assessment and positive behaviour support, self-advocacy and self-determination for students with developmental disabilities, issues of equity, gender, culture in inclusive education, and new curricula and pedagogies.
Prerequisite: EPSY 322/400/418, EPSY 323, EPSY 324, and EPSY 328

EPSY 332 3:3-0
Selected Topics in Inclusive Education - an AA-ZZ series.
A course dealing with current topics in inclusive education.
Prerequisite: EPSY 322, EPSY 400, or EPSY 418

EPSY 333 3:3-0
Functional Behaviour Assessment and Positive Behaviour Support
This course provides the theoretical basis and extensive discussion and demonstration of current methods for conducting Functional Behaviour Assessments (FBA) and creating Positive Behaviour Supports (PBS) for persons who engage in challenging behaviours. Attention is paid to demonstrating how FBA and PBS planning can be effectively applied in inclusive education settings for students with a range of needs and characteristics.
Prerequisite: EPSY 322, EPSY 400, or EPSY 418

EPSY 350 3:3-1
The Psychology of Learning and Adolescent Development
Introduction of selected principles of human learning and development as they apply to teaching in secondary schools. Topics include motivation and behaviour management, cognitive and behaviouristic learning theory, and cognitive, social, and personal development in adolescents.
*Note: PSYC 210 will no longer be accepted as an alternative to EPSY 350, effective 201010. *
*Note: Normally offered in winter only. *
* Please note that the French version of this course is no longer available and will now be offered as ECSF 317, effective 200830. *

EPSY 400 3:3-0
Working with Difference and Diversity
This course focuses on understanding the construct of "disability". We will look at the writings of people with disabilities and use their self-accounts to develop a cultural understanding of disability. With this information in mind, the course concentrates on methods of working with students whose performance differs from the established norm.
Prerequisite: One of EFLD 400, 402, 405, 407, 409, 411 or status as a secondary minor in Special Education.
Note: EPSY 322 is equivalent to EPSY 400 and EPSY 418. Students will only receive credit for one of the following EPSY 322 , EPSY 400, or EPSY 418.

EPSY 401 3:3-0
Teaching Students with Specific Learning Disabilities
This course provides an understanding of the characteristics associated with Specific Learning Disabilities and considerations for instruction. Content includes effective instructional practices with an emphasis on reading and writing in K-12 inclusive settings.
Prerequisite: EPSY 322 or EPSY 400 or EPSY 418

EPSY 418 3:3-0
Vers une pédagogie inclusive
Ce cours explore des écrits de personnes < en situation de handicap > pour comprendre la notion de <culture du handicap>. De plus il développe l'aptitude à la préparation d'activités d'apprentissage fondées sur une pédagogie visant l'inclusion des élèves dont les performances différent des normes préetabliés dans notre société.
Préalable : Avoir compleété son internat ou avec la permission du Bac.

EPSY 425 3:3-0
Évaluation de l'apprentissage
Une introduction aux principes de base en évaluation de l'apprentisage des élèves à l'école. L'accent sera mis sur les liens entre la théorie et la pratique.
***Préalable : Avoir complété son internat ou avec la permission du Bac. ***

EPSY 498 1-3:0-0
EPSY Independent Study II

EPSY 499 1-3:0-0
EPSY Independent Study I

ERDG — Reading Education

ERDG 215 3:3-0
The Teaching of Reading
This course prepares students to teach reading in the elementary school by developing an understanding of reading processes and current pedagogical approaches.
***Prerequisite: ELNG 205 and EPS 215 (concurrent enrolment allowed) ***

ERDG 310 3:3-0
Teaching Literacy for a Better World (Pre-K to Grade 5)
This course prepares future Pre-K to Grade 5 teachers to support and instruct beginning readers and writers; to help children grow as readers and writers through progressive and genre pedagogies; to accommodate transience through the literacy program; and to offer children's literature from a variety of cultures and racial groups. ***Prerequisite: For elementary pre-internship students only. ***

ERDG 317 3:3-0
Teaching Critical Literacy
This course provides methods for teaching critical reading and writing practices to middle grade students, including those who are learning school English as a second language or dialect. It offers strategies for engaging children in literacy learning, in the study of multicultural literature, and in using literacy for social action.
***Prerequisite: For elementary (middle years concentration) pre-internship students only. ***

ERDG 332 3:3-0
Reading in the Secondary School
Introduction to the teaching of reading in secondary subject areas for secondary English teachers and others. Content includes the nature of reading processes and teaching strategies that address individual differences.
***Prerequisite: ECS 100 or EPS 100 ***
*Note: Normally offered in fall term only. *

ERDG 425 3:3-1
Culturally Responsive Literacy Education
This critical multicultural literacy assessment and instruction course examines the purposes of literacy and assessment and provides teachers with knowledge and experience to design and implement assessment and instruction within broader views of culture, literacy and assessment. Normally in this course, students engage in instructing school-aged learners.
Pre-requisites: For Elementary students: One of ELNG 200, 205 or ELNG 325; and one of ERDG 215, 310 or 317; For Secondary students: ELNG 300 and 350

ERDG 498 1-3:0-0
ERDG Independent Study II

ERDG 499 1-3:0-0
ERDG Independent Study I

EREL — Religious Education

EREL 300 3:3-0
Introduction to Religious Education
A foundational course on the theory and methodology of religious education in the elementary and secondary school.
***Prerequisite: At least second year standing and RLST 100, or permission of the subject area. ***
*Note: Normally offered in fall term only. *

EREL 498 1-3:1-0
EREL Independent Study II

EREL 499 1-3:1-0
EREL Independent Study I

ESCI — Science Education

ESCI 215 3:3-1.5
Introduction to Teaching of Elementary School Science
Philosophy, objectives, curriculum materials, structure, and teaching of elementary school science. Enquiry approach to science education.
***Prerequisite: Completion of first year in the Elementary Program. ***

ESCI 300 3:3-1.5
Curriculum in Secondary Science Education
Designed to introduce student-centred science pedagogies, using curricular concepts appropriate to Secondary Science. Through hands-on, experiential learning future science educators will gain confidence in their ability to create a highly interactive science program This course is required of all secondary science students.
***Prerequisite: At least 3 courses in the major or minor area, or permission of the subject area. ***

ESCI 302 3:3-1.5
Environmental Education
Theory and practice in environmental education, including the history and philosophy of environmental education, course design (K-12), and issues investigation.

ESCI 310 3:3-1.5
Science Education (Pre-K to Grade 5)
Curriculum, instruction and evaluation in elementary school science. Pedagogical application of prerequisite course material presented in Environmental Education (ESCI 302).
***Prerequisite: ESCI 302 and one approved science elective and acceptance into pre-internship. ***

ESCI 317 3:3-1.5
Introduction to Teaching and Learning Science in Middle Years Education
Designed to introduce student-centred science pedagogies, using curricular concepts appropriate to Middle Years science. Through hands-on, experiential learning future educators will gain confidence in the delivery of a highly interactive science program.
***Prerequisite: For elementary (middle years concentration) pre-internship students only. ***

ESCI 350 3:3-1.5
Curriculum and Instruction in Secondary School Science
The critical appraisal of secondary school science curricula through investigation of the nature, purposes, and trends in secondary school science and the construction of personal practical theory (framework) for instruction.
***Prerequisite: ESCI 300 or permission of the subject area ***
*Note: Normally offered in winter term only. *

ESCI 351 3:3-1.5
Special Topics in Secondary School Science Education
Special topics in curriculum and instruction in the secondary school sciences (biology, chemistry, and physics). Area of emphasis determined by student needs.
***Prerequisite: Major Curriculum Class (ESCI 300) or permission of the subject area. ***
*Note: Normally offered in winter term only. *

ESCI 354 3:3-0
Curriculum and Instruction in Secondary School Physics
This course will explore fundamentals of teaching physics from a hands-on, student centred approach. A variety of instructional strategies will be explored, demonstrated and practiced. Content of the Saskatchewan Physics 20 and 30 Curricula will be examined.

ESCI 355 3:3-0
Teaching Methods for Secondary School Physics
This course explores teaching physics with a foundation of a constructivist learning model. A focus will be on developing instructional strategies and resources that are consistent with constructivist principles of learning. Content of the Saskatchewan Physics 20 and 30 Physics Curricula will be used as the central focus of resource creation.

ESCI 360 3:3-0
Learning and Assessment in Science Education
This course explores the design of assessment strategies based on a constructivist model of learning for use in science education. A range of alternative strategies will be examined including some focused on the exploration of STSE issues in science and society.

ESCI 370 3:3-0
Curriculum and Instruction in Secondary School Chemistry
This course will explore fundamentals of teaching chemistry from a hands-on, student centred approach. A variety of instructional strategies will be explored, demonstrated and practiced. Content of the Saskatchewan Chemistry 20 and 30 Curricula will be explored.

ESCI 371 3:3-0
Teaching Methods for Secondary School Chemistry
This course explores teaching chemistry with a foundation of a constructivist learning model. A focus will be on developing instructional strategies and resources that are consistent with constructivist principles of learning. Content of the Saskatchewan Chemistry 20 and 30 Curricula be used as the central focus of resource creation.

ESCI 401 3:3-0
Participatory Research in Science Education
A post-intership seminar course to examine specific aspects of the internship experience through reflection and research.
***Prerequisite: Internship ***
*Note: Normally offered in winter term only. *

ESCI 498 1-3:0-0
ESCI Independent Study II

ESCI 499 1-3:0-0
ESCI Independent Study I

ESST Social Studies Education

ESST 100 3:3-0
Métis Knowledge, Customs and Traditions
This course will provide students with teachable skills and knowledge in Metis identity and traditions. Students will experience the principles of traditional Metis ways of teaching and learning such as learning by doing; learning by deeply observing; learning through listening and telling stories; learning within a community; and learning by sharing and providing service to the comunity. This course will integrate hands-on practical activities with theoretical knowledge.

ESST 215 3:3-0
Social Studies for Elementary School Teachers
Objectives, methods of teaching, curricular models, and materials in elementary school social studies. Philosophies of social studies are explored.
***Prerequisite: Admission to pre-internship. ***

ESST 300 3:3-0
Curriculum Content in Secondary School Social Studies
Investigation into the nature, purposes, and trends of secondary social studies programs; analysis of curricula, unit planning and resources.
***Prerequisite: 3rd year standing in Secondary Education. ***
*Note: Normally offered in fall term only. *

ESST 310 3:3-0
Social Studies for Elementary School Teachers
Objectives, methods of teaching, curricular models, and materials in elementary school social studies are reviewed. Theories and governing philosophies of social studies education are explored. Approaches to social and environmental justice are emphasized. The linkages between social studies education, citizenship education and community based engagement will be examined.
***Prerequisite: For elementary pre-internship students only. ***

ESST 317 3:3-0
Teaching Engaged Citizenship: Social Studies and Social/Environmental Activism
An integrative, community based approach to social and environmental justice issues in local contexts. Students will engage in and reflect on community based action projects as a means of teaching for citizenship. The course models ways of connecting all students with community resources and community knowledge of contemporary issues.
***Prerequisite: For elementary (middle years concentration) pre-internship students only. ***

ESST 350 3:3-0
Theories of Instruction in the Teaching of Secondary Social Studies
Theoretical and practical consideration of ways of evaluating student achievement in a variety of learning objectives: understanding, enquiry skills, critical thinking and valuing.
***Prerequisite: Major Curriculum Class (ESST 300), 3rd year standing in Secondary Education and 36 credit hours of social science requirements. *** *Note: Normally offered in winter term only. *

ESST 360 3:3-0
Special Topics in Social Studies Education
This course explores a variety of contemporary topics in the teaching and learning of social studies.
***Prerequisite: ESST 300 ***
** Corequisite: ESST 350 **

ESST 369 3:3-0
Critical Literacy in Social Studies: Issues for Pedagogical Practice
An integrative and reflective investigation of pedagogical issues in social studies oriented to promote a critical literacy for social studies education.
***Prerequisite: Internship and/or teaching experience. ***
*Note: Normally offered in winter term only. *

ESST 498 1-3:0-0
ESST Independent Study II

ESST 499 1-3:0-0
ESST Independent Study I

EVIS | Visual Education

EVIS 101 3:3-0
Introduction to Visual Education
This course is designed specifically for students preparing for arts education, kindergarten through grade 12. Curriculum will be addressed through Ttheory, content, and practice related to visual education.

EVIS 202 3:3-0
Approaches to Teaching Visual Education
This course is designed for students in the arts education program. Emphasis will be on curriculum and approaches to teaching visual education, kindergarten through grade 12.

EVIS 326 3:3-0
Domains and Theories of Instruction: Visual Education
Critical analysis of curriculum theory and development in visual education; students will develop curriculum based on personal development, artistic heritage, art in society, and critical analysis.
***Prerequisite: EVIS 101 and 202 or permission of the subject area. ***

EVIS 498 1-3:0-0
EVIS Independent Study II

EVIS 499 1-3:0-0
EVIS Independent Study I

FILM | Film

FILM 100 3:3-0
The Art of Motion Pictures
An introduction to the art of motion pictures. The course will examine a representative selection of films covering the history of cinema and many of its basic aesthetic premises.

FILM 101 3:3-0
Selected Topics Production-AA-ZZ Series
This series of courses is designated selected topics courses within the Department of Film.

FILM 200 3:2-1.5
Introduction to Film Production
Exploring the differences between photographic, film, video and audio processes, students will study the characteristics of these media through hands on assignments.
Note: Restricted to Film majors. Materials Fee: $150
Note: Creative Technologies Program Option

FILM 201 3:3-0
Film Production 1
The course focuses on the development of practical techniques in film production.
Prerequisite: FILM 100 and 200
Corequisite: FILM 209. Permission of the department head is required to register
Note: Materials Fee: $150

FILM 202 3:0-4.5
Film Production 2
A continuation of Film 201.
Prerequisite: A passing grade in FILM 201
Note: Materials Fee: $100

FILM 203 3:0-4.5
Animation
Basic principles, technical knowledge and a variety of animation techniques related to non-cell animation.
Note: Materials Fee: $100.

FILM 205 3:0-4.5
Black and White Photography
Students will be introduced to the fundamentals of black and white photography and darkroom practices.
Note: Students may receive credit for only one of FILM 205, ART 222, FILM 280AB, or FILM 385AC
Note: Materials Fee: $150

FILM 209 3:0-3
Technical Fundamentals
The course provides technical fundamentals for students entering the BFA program in film production, with a focus on developing solid technical understandings of cameras, lenses, lighting, audio, and editing.
Prerequisite: FILM 200
Permission of the department head is required to register
Note: Materials Fee: $100.

FILM 210 3:3-0
Introduction to Screenwriting
Introducing the fundamentals of writing for the screen.

FILM 220 3:3-0
Technical Fundamentals
The course provides technical fundamentals for developing solid technical understandings of cameras, lenses, lighting, audio and editing.
Note: The course is intended for NON Film majors. Students cannot receive credit for both FILM 220 and FILM 209
Note: Materials Fee: $100

FILM 221 1-3:3-0
The Art of Podcasting
An introduction to the creative and technical aspects of creating a podcast. Students will develop, record and edit podcast episodes in a variety of genres. They will share their work via web pages and an RSS feed that can be accessed through various podcast clients.
Note: Students may only receive credit for one of FILM 221 or FILM 280AD.
Note: Materials Fee: $100

FILM 240 3:3-0
History of Film
This course concentrates on the evolution of the forms and themes of film from its origins to 1960, and on the changing relation of film to its social, cultural, and political contexts throughout this period.

FILM 241 3:3-0
Contemporary Film
This course provides a critical and cross-cultural approach to developments in film since 1960.

FILM 245 3:3-0
Genre
Examines the origin, evolution, function and theory of genres, including themes and styles.

FILM 253 3:3-0
Narratives for the Digital Age
This course examines narrative structures and traditions and their relevance for film, TV serials, computer games, and new media data-based story-telling.
Note: Students may not receive credit for both FILM 251 and FILM 253

FILM 254 3:3-0
Documenting Reality
This course offers an overview of the documentary genre in film, television and journalistic contexts. It will investigate the genre in terms of subject matter and style, historical origins, forms and conventions, and relationships to cultural contexts.
Note: Students may not receive credit for both FILM 250 and FILM 254

FILM 255 3:3-0
World Cinema
Examines international world cinemas with a focus on comparing the work of prominent directors from around the globe.

FILM 256 3:3-0
Underground Film
This course will introduce the most important developments in the history of experimental cinema. A discussion of international avant-garde films will be included, with a focus on the evolution of the avant-garde?s alternative techniques, themes modes of production and audiences.
Note: Students may not receive credit for both FILM 340 and FILM 256

FILM 280 3:3-1.5
Selected Topics Production - An AA-ZZ series
This series of courses is designated selected topics courses within the Department of Film.

FILM 286 3:3-0
Selected Topics
Selected Topics in Film Studies at the 200-level.

FILM 300 3:0-6
Film Production 3
The course focuses on creative techniques and approaches in film production.
Prerequisite: FILM 202
Note: Materials Fee: $150.

FILM 301 3:0-3
Film Production 4
A continuation of Film 300.
***Prerequisite: FILM 300 ***
*Note: Materials Fee: $150. *

FILM 303 3:3-0
Advanced Animation
An advanced exploration of the animated image, bringing together diverse and traditional digital approaches including audio.
Prerequisite: FILM 203

FILM 305 3:0-3
Cinematography
A study of the electronic and photochemical imaging techniques, and lighting, for film.
***Prerequisite: FILM 202 ***
*Note: Materials Fee: $100. *

FILM 306 3:0-3
Post Production
Post-production processes and techniques in film production.
Prerequisite: FILM 202
Note: Materials Fee: $100.

FILM 307 3:0-3
Advanced Audio Production
The creative use of sound is studied across disciplines with a mixture of theory, history, and practical components.
Prerequisite: FILM 202
Note: Materials Fee: $100

FILM 310 3:0-3
Writing for the Screen
The course expands on the knowledge and focuses on the creativity of writing for the screen.
Prerequisite: FILM 202 or FILM 210

FILM 311 3:0-3
Advanced Darkroom Photography
An advanced course in photo-chemical photography and darkroom techniques. ***Prerequisite: FILM 205 or FILM 280AB***
Note: Materials Fee: $150

FILM 312 3:3-0
Advanced Digital Effects
The course focuses on the creation of digital effects in post-production. Students will work with software like Adobe Photoshop, After Effects and Premier, among other software tools.
Prerequisite: FILM 209 or FILM 220
Note: Material Fee $100

FILM 320 1-3:3-0
Expanded Cinema
This course is desined for students to explore works that alter or abandon the familiar materials, forms, and spaces of conventional filmmaking. Collaborative and self-initiated projects with emphasis on developing conceptual skills and engagement with the process of critique. Student projects contextualized within current practices and histories of intermedia art.
Note: Students may only receive credit for one of FILM 320 or FILM 386AB.
Note: Material Fee: $100

FILM 345 3:3-0
Canadian Cinema
Examines Canadian cinema from early work of the National Film Board to present-day international feature co-production. Treats the development of Quebec cinema and the films of many Canadian directors.
***Prerequisite: Completion of 30 credit hours or permission of the department head. ***

FILM 346 3:3-0
Television Studies
This course introduces a variety of theoretical and methodological approaches to the study of television and audience reception. Students will learn and be asked to engage in critical analyses and (inter)textual readings of a variety of television genres including drama, news broadcasting, comedy, reality, sci-fi, daytime television.
Prerequisite: Completion of 30 credit hours or permission of the department head
Note: Creative Technologies Program Option

FILM 348 3:3-0
Thinking about Film
The development of film theory and criticism from the silent period to the present. Major writings in silent film theory, montage theory, realism, auteurism, semiotics, psychoanalytic and spectatorship theories will be investigated.
Prerequisite: Completion of 30 credit hours

FILM 350 3:3-0
The Art of Film Directors
Examines the work of no more than two directors, with particular attention given to style, historical and cultural influences on the filmmaker, and the manner in which the work has influenced others.
***Prerequisite: 30 Credit Hours or permission of the department head ***

FILM 380 3:3-0
Selected Topics - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates. The following topics, or others, may be offered from time to time: women and film, third world film, montage aesthetics, post-war Italian film, French New Wave and after, New German Cinema, East European cinema, British cinema since 1945, etc.

FILM 381 3:3-0
Selected Topics - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates. The following topics, or others, may be offered from time to time: women and film, third world film, montage aesthetics, post-war Italian film, French New Wave and after, New German Cinema, East European cinema, British sinema since 1945, etc.

FILM 382 3:3-0
Selected Topics - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates. The following topics, or others, may be offered from time to time: women and film, third world film, montage aesthetics, post-war Italian film, French New Wave and after, New German Cinema, East European cinema, British cinema since 1945, etc.

FILM 383 3:3-0
Selected Topics - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates. The following topics, or others, may be offered from time to time: women and film, third world film, montage aesthetics, post-war Italian film, French New Wave and after, New German Cinema, East European cinema, British ceinema since 1945, etc.

FILM 384 3:3-0
Selected Topics - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates. The following topics, or others, may be offered from time to time: women and film, third world film, montage aesthetics, post-war Italian film, French New Wave and after, New German Cinema, East European cinema, British cinema since 1945, etc.

FILM 385 3:0-3
Selected Topics - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates.
*Note: A materials fee of up to $100 may be required. *

FILM 386 3:0-3
Selected Topics - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates.
*Note: A materials fee of up to $100 may be required. *

FILM 387 3:0-3
Selected Topics - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates.
*Note: A materials fee of up to $100 may be required. *

FILM 388 3:0-3
Selected Topics - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates.
*Note: A materials fee of up to $100 may be required. *

FILM 389 3:0-3
Selected Topics - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates.
*Note: A materials fee of up to $100 may be required. *

FILM 390 3:3-0
Directed Study - an AA-ZZ series.
Supervised reading and research designed for individual students in either 3rd or 4th year.

FILM 391 3:3-0
Directed Study - an AA-ZZ series.
Supervised reading and research designed for individual students in either 3rd or 4th year.

FILM 392 3:3-0
Directed Study - an AA-ZZ series.
Supervised reading and research designed for individual students in either 3rd or 4th year.

FILM 393 3:3-0
Directed Study - an AA-ZZ series.
Supervised reading and research designed for individual students in either 3rd or 4th year.

FILM 394 3:3-0
Directed Study - an AA-ZZ series.
Supervised reading and research designed for individual students in either 3rd or 4th year.

FILM 395 3:3-0
Directed Study - an AA-ZZ series.

FILM 400 3:4.5-0
Senior Production I
Advanced course incorporating development, research and production.
Note: Materials Fee: $175.

FILM 401 3:0-4.5
Senior Production II
A continuation of FILM 400 in which students will produce a major production.
***Prerequisite: FILM 400 ***
*Note: Materials Fee: $175. *

FILM 403 3:0-3
Producing for Film
Examining the creative, organizational, and managerial roles of the producer.
Prerequisite: FILM 202
Note: Materials Fee: $100.

FILM 411 3:0-3
Directing the Narrative Film
Concentrated focus on the director's role and working relationship with actors, crew, and script.
***Prerequisite: FILM 300 ***
*Note: Materials Fee: $100. *

FILM 412 3:3-0
Directing the Experimental Film
Engaged creation of a diverse range of film and video as experimental form.
Prerequisite: FILM 202
Note: Material Fee: $100

FILM 413 3:3-0
Directing the Documentary
Advanced methods of documentary production.
Prerequisite: FILM 202
Note: Material Fee: $100

FILM 440 3:3-0
Seminar in Film Authorship
An in-depth examination of the films or videotapes of a major director. The choice of director will vary from term to term and may be from any film or video tradition.
***Prerequisite: Completion of 45 credit hours or permission of the department head. ***

FILM 460 3:3-0
Interactive Media and Performance
Situating interactive media and performance in historical, socio-cultural, and political contexts, this hybrid studies/production course includes critical analysis of mass media, performance and audio art, DJ Cultures, film, music, video, sound tracks, video games, anime, computer interfaces, websites, web video, radio, and television, and online social networking.
Permission of the department head is required to register
Note: Students wishing to use this as a production course in their program must request permission from the department head

FILM 480 3:3-0
Seminars in Special Topics - an AA-ZZ series.
Advanced seminars that will give concentrated focus to such topics as national cinemas, women and film, issues in film theory, etc.

FILM 481 3:3-0
Seminars in Special Topics - an AA-ZZ series.
Advanced seminars that will give concentrated focus to such topics as national cinemas, women and film, issues in film theory, etc.

FILM 482 3:3-0
Seminars in Special Topics - an AA-ZZ series.
Advanced seminars that will give concentrated focus to such topics as national cinemas, women and film, issues in film theory, etc.

FILM 483 3:3-0
Seminars in Special Topics - an AA-ZZ series.
Advanced seminars that will give concentrated focus to such topics as natioanl cinemas, women and film, issues in film theory, etc.

FILM 484 3:3-0
Seminars in Special Topics - an AA-ZZ series.
Advanced seminars that will give concentrated focus to such topics as national cinemas, women and film, issues in film theory, etc.

FILM 485 3:3-0
Seminars in Special Topics - an AA-ZZ series.
Advanced seminars that will give a concentrated focus to such topics as national cinemas, women and film, issues in film theory, etc.

FILM 486 3:0-3
Selected Production Topics - an AA-ZZ series.
Advanced selected topics related to the production program.
*Note: A materials fee of up to $100 may be required. *

FILM 487 3:0-3
Selected Production Topics - an AA-ZZ series.
Advanced selected topics related to the production program.
*Note: A materials fee of up to $100 may be required. *

FILM 488 3:0-3
Selected Production Topics - an AA-ZZ series.
Advanced selected topics related to the production program.
*Note: A materials fee of up to $100 may be required. *

FILM 489 3:0-3
Selected Production Topics - an AA-ZZ series.
Advanced selected topics related to the production program.
*Note: A materials fee of up to $100 may be required. *

FILM 490 3:0-3
Research Methods
Seminar open to students completing an honours concentration in film and video studies. Students will be expected to present a clear timetable and to discuss thesis work in seminars throughout the term.
** Admission to honours program is required to register. **

FILM 491 3:0-3
Directed Study for Senior Honours Students - an AA-ZZ series.
Supervised reading and research designed as required for individual students.

FILM 492 3:3-0
Directed Study in Film Studies - an AA-ZZ series.
Supervised reading and research designed as required for individual students.

FILM 496 1-6:0-6
Senior Directed Studies - an AA-ZZ series.
Supervised reading and research designed for individual students in either third or fourth year.
*Note: Materials Fee: $150. *

FILM 497 1-6:0-6
Senior Directed Studies - an AA-ZZ series.
Supervised reading and research designed for individual students in either third or fourth year.
*Note: Materials Fee: $150 *

FILM 498 1-6:0-6
Senior Directed Studies - an AA-ZZ series.
Supervised reading and research designed for individual students in either third or fourth year.
*Note: Materials Fee: $150 *

FILM 499 1-6:0-6
Senior Directed Studies - an AA-ZZ series.
Supervised reading and research designed for individual students in either third or fourth year.
*Note: Materials Fee: $150 *

FRLI — French – Language Institute

Ces cours sont approuvés par la Faculté des arts et donnent plein crédit pour l'obtention du diplôme.

These are approved Faculty of Arts courses and carry full degree program credit.

FRLI 207 3:3-1
Refrancisation III - New Start III
Analyse des difficultes lexicales et syntaxiques particulieres aux francophones en milieu minoritaire. Sensibilisation a la complexite de la langue. Analysis of the language difficulties peculiar to francophones in a minority situation.
***Prealable: Test de placement ou permission de l'Institut francais. ***
***Prerequisite: Placement test or permission of the Institut francais. ***

FRLI 208 3:3-1
Technique rédactionnelles - Writing Techniques
Composition pratique. Sensibilisation a l'organisation des idees et aux niveaux de langue requis pour une communication ecrite efficace dans la vie courante et au travail. Practical composition. Study of effective organization of ideas and of levels of language required for written communication at work and in everyday life.
***Prealable: FR 207 ou permission de l'Institut francais. ***
***Prerequisite: FR 207 or permission of the Institut francais. ***

FRLS — French as a Second Language

Les cours FRLS s'adressent uniquement aux étudiants acceptés dans le programme du Certificat en français langue seconde.

FRLS courses are restricted to students who have been accepted into the Certificate in French as a Second Language program.

FRLS 116 2:6-6
Principes et production du français oral 1 - Principles and Production of Oral French 1
Des documents culturels authentiques (audio, audio-visuels ecrits) servent de point de depart a l'elargissement du vocabulaire et au developpement de la comprehension et de l'expression orales. Audio-visual, audio and written authentic cultural documents are the starting point for vocabulary expansion, and for the development of oral comprehension and expression.
***Prealable: Avant de s?incrire, l?etudiant doit avoir une letter d?acceptation aux Certificat en Francais Langue Seconde. ***
***Prerequisite: Prior to registering, students must have received a letter of acceptance to the Certificate in French as a Second Language. ***

FRLS 117 2:6-6
Principes et production du français oral 2 - Principles and Production of Oral French 2
Ce cours intensif est la suite du cours FRLS 116.
This intensive course is the continuation of FRLS 116.
***Prealable: FRLS 116, avec une note minimum de 60%. ***
*** Cours concomitant: FRLS 120 ***
*Note: Anciennement FRLI 201. L'etudiant ne peut pas recevoir des credits a la fois pour FRLS 117 et FRLI 201. *
***Prerequisite: FRLS 116 with a minimum grade of 60% ***
*** Corequisite: FRLS 120 ***
*Note: Formerly numbered FRLI 201. Students may not receive credit for both FRLS 117 and FRLI 201. *

FRLS 118 2:6-6
Principes et production du français oral 3 - Principles and Production of Oral French 3
Ce cours intensif est la suite du cours FRLS 117. This intensive course is a continuation of FRLS 117.
***Prealable: FRLS 117, avec une note minimum de 60%. ***
*** Cours concomitant: FRLS 121 ***
*Note: anciennement FRLI 203. L'etudiant ne peut pas recevoir des credits a la fois pour FRLS 118 et FRLI 203. *
***Prerequisite: FRLS 117 with a minimum grade of 60% ***
*** Corequisite: FRLS 121 ***
*Note: Formerly numbered FRLI 203. Students may not receive credit for both FRLS 118 and FRLI 203. *

FRLS 212 3:3-3
Structure du discours oral - Structure of oral discourse
Accent sur la maitrise de la grammaire et de la structure de la narration, de l'explication et de la description orales. Comprend un stage en milieu francophone.
Emphasis on the mastery of grammar rules and the structure of oral narration, description, and explanation. Field experience in a francophone environment.
***Prealables: FRLS 118 et FRLS 121 avec, dans les deux, une note minimum de 60%, ou permission du chef de departement. ***
*** Cours concomitant: FRLS 218 ***
*Note: anciennement FRLI 204 et FRLI 205. L'etudiant ne peut pas recevoir des credits a la fois pour FRLS 212 et, soit FRLI 204 ou FRLI 205. *
***Prerequisite: FRLS 118 and FRLS 121, both with a minimum grade of 60%, or permission of the department head ***
*** Co-requisite: FRLS 218 ***
*Note: Formerly numbered FRLI 204 and FRLI 205. Students may not receive credit for both FRLS 212 and either of FRLI 204 or FRLI 205. *

FRLS 219 3-6:9-3
Grammaire et rédaction 1 – Grammar and Writing 1
Cours intensif de niveau intermediaire portant sur les connaissances langagieres (principalement du francais ecrit) et culturelles francophones. Intermediate intensive course with emphasis on written French and Francophone cultural content.
Prealable: avant de s'inscrire, l'etudiant doit avoir une lettre d'acceptation au Certificat en francais langue seconde. Prior to registering, students must have received a letter of acceptance to the Certificate in French as a Second Language.
Corequisite: FRLS 116
Note: Students may not receive credit for FRLS 219 and FRN 200.

FRLS 220 3-6:9-3
Grammaire et rédaction 2- Grammar and Writing 2
Ce cours intensif est la suite du cours FRLS 219. This intensive course is a continuation of FRLS 219.
Prerequisite: FRLS 219 with a minimum grade of 60%
Corequisite: FRLS 117
Note: Student may not receive credit for FRLS 220 and FRN 201

FRLS 221 3-6:9-3
Gramaire et rédaction 3- Grammar and Writing 3
Ce cours intensif est la suite du cours FRLS 220. This intensive course is a continuation of FRLS 220.
Prerequisite: FRLS 220 avec une note minimum de 60%.
Corequisite: FRLS 118
Note: Students who receive 75% or higher in FRLS 221 may choose to receive credit for either FRLS 221 or FRN 300 upon completion of placement test.

FRLS 318 9:9-3
Français écrit et culture francophone – Written French and Francophone Culture
Cours intensif avance. Approfondissement de la grammaire et des principes de composition. Etude de textes portant sur certains aspects sociaux et culturels de la francophonie.
Prerequisite: FRLS 118 and FRLS 221 with a minimum grade of 60%
Corequisite: FRLS 212 and one FRN 220AA-ZZ
Note: Students who receive 75% or higher in FRLS 318 may choose to receive 6 credits at the 300 Level and 3 credits for either FRLS 318 or FRN 301 upon completion of the placement test.

FRN French

FRN 001 3:0-0
Placement professionnel 1
Premier placement professionnel dans le cadre du programme cooperatif de La Cite universitaire francophone.

FRN 002 3:0-0
Placement professionnel 2
Deuxieme placement professionnel dans le cadre du programme cooperatif de La Cite universitaire francophone.

FRN 003 3:0-0
Placement professionnel 3
Troisieme placement professionnel dans le cadre du programme cooperatif de La Cite universitaire francophone.

FRN 100 3:3-1
Discovery I / Découverte I
This language and culture course for beginners will focus on the discovery and the acquisition of basic vocabulary and structures in order to develop oral and written communication skills while fostering cultural awareness of the Francophone world.
Prerequisite: No Previous experience in French, permission based on assessment test, or permission of department head
Note: Students who have completed Grade 12 French within the previous five years normally may not take this course for credit. An additional fee may be charged for online sections
Note: this course was formerly numbered FR 100. Students may receive credit for only one of FR 100 or FRN 100

FRN 101 3:3-1
Discovery II / Découverte II
This language and culture course for near beginners will continue the discovery of more extensive vocabulary and structures in order to further develop oral and written communication skills while furthering cultural awareness of the Francophone world.
Prerequisite: FRN 100, permission based on assessment test, or permission of department head
Note: An additional fee may be charged for online sections
Note: This course was formerly numbered FR 101. Students may receive credit for only one of FR 101 or FRN 101

FRN 110 6:6-1
Discovery/ Découverte
This intensive language and culture course for beginners will focus on the discovery and acquisition of basic vocabulary and structures in order to develop oral and written communication skills while fostering cultural awareness of the Francophone world.
Prerequisite: No Previous experience in French, permission based on assessment test, or permission of department head
Note: Students who have completed Grade 12 French within the previous five years normally may not take this course for credit
Note: Students cannot receive credit for FRN 100 or 101, or FR 100 or 101, and FRN 110
Note: this course was formerly numbered FR 110. Students may receive credit for only one of FR 110 or FRN 110

FRN 141 3:3-0
Why We Still Speak French: A Course in English about Francophones
An introduction to the many reasons for the continued Francophone presence in North America, the successes and challenges Francophones face as minority groups today, and their relations to other cultures. This course adopts a multidisciplinary apporach and presents a focus on Fransaskois communities. *Note: this course does not satisfy language requirements.*

FRN 200 3:3-1
Exploration I / Exploration I
This intermediate course will provide cultural knowledge and build on previously acquired language skills while introducing students to basic writing skills. Cours intermediaire portant sur les connaissances langagieres et culturelles
deja acquises tout en initiant les etudiants aux bases de l'ecriture.
Prerequisite: FRN 101, permission based on assessment test, or permission of the department head
Note: Students may receive credit for one of FRN 200 or FRLS 119
Note: Students who have previously taken FR 102 and/or FR 113 may not receive credit for FRN 200

FRN 201 3:3-1
Exploration II / Exploration II
This language and culture course will further explore oral and writing skills and will raise awareness of Francophone issues.
Cours de langue et de culture qui poursuit l'exploration des connaissances de l'oral et de l'ecriture et qui sensibilisera l'etudiant aux enjeux de la Francophonie.
Prerequisite: FRN 200, permission based on assessment test, or permission of department head
Note: This course was formerly numbered FR 201. Students may receive credit for only one of FR 201 or FRN 201
Note: Students may not receive credit for both FRN 201 and FRLS 120

FRN 220 3-6:6-0
Selected Topics in Francophone Popular-Culture
This language and culture course will enhance writing skills and will further explore Francophone issues as well as provide a favourable environment for critical thinking.
Cours de langue et de culture qui favorise la maitrise de l'ecrit et qui continue la decouverte des enjeux de la Francophonie tout en encourageant la pensee critique.
Prerequisite: FRN 200 with a minimum grade of 60%, Grade 12 French and permission based on assessment test, or permission of department head

FRN 230 3:3-0
Selected Topics in Linguistics
Study of a selected topic or topics in Linguistics.
Etude de sujets varies portant sur la linguistique.
Prerequisite: FRN 201, permission based on assessment test, or permission of department head
Note: students who have previously completed FR 219 may not receive credit for FRN 230AA-ZZ

FRN 236 3:3-0
Structure du français moderne /The Structure of Modern French
Etude de la structure du francais moderne via le systeme de ses sons, ses modes canoniques de formation de mots, la phrase et la signification. Contact des langues, diversite linguistique et sociale, interculturalite.
The structure of modern French: its speech sounds, sound patterns, word formation, sentence structure and meaning. Language contact; social and linguistic diversity; interculturality.
Prerequisite: FRN 300, permission based on assessment test, or permission of department head
Note: This course was formerly numbered FR 226. Student may receive credit for only one of FR 226 or FRN 236

FRN 246 3:3-0
La francophonie / The Francophone World
L?etudiant(e) explorera d?un ?il critique la francophonie dans le temps et l?espace, a la fois comme concept, phenomene vecu et possibilite d?engagement. Students will critically explore the francophonie, across time and space, as a concept, a lived phenomenon and a possibility for engagement.
Prerequisite: FRN 300, permission based on assessment test, or permission of department head

FRN 250 3:3-0
Selected Topics in French Language
Study of a selected topic or topics in French language.
Etude de sujets varies portant sur la langue francaise.
Prerequisite: FRN 201, permission based on assessment test, or permission of department head

FRN 290 6:6-0
Directed Reading in French/Travaux dirigés en français
Directed Reading in French. Travaux dirige en francais.
Prerequisite: FRN 201, permission based on assessment test, or permission of department head

FRN 300 3:3-1
Achievement I / Épanouissement I
This language and culture course will enhance writing skills and will further explore Francophone issues as well as provide a favourable environment for critical thinking.
Cours de langue et de culture qui favorise la maitrise de l'ecrit et qui continue la decouverte des enjeux de la Francophonie tout en encourageant la pensee critique.
Prerequisite: FRN 201, permission based on assessment test, or permission of department head
Note: This course was formerly numbered FR 202. Student who have previously completed FR 202 may not receive credit for FRN 300. Also students may not receive credit for both FRN 300 and FRLS 121
Note: Students who receive 75% or higher in FRLS 221 may choose to receive credit for either FRLS 221 or FRN 300 upon completion of placement test.

FRN 301 3:3-1
Achievement II / Épanouissement II
This language and culture course will enhance writing skills and will further explore Francophone issues as well as provide a favourable environment for critical thinking.
Cours de langue et de culture qui favorise la maitrise de l'ecrit et qui continue la decouverte des enjeux de la Francophonie tout en encourageant la pensee critique.
Prerequisite: FRN 300, permission based on assessment test, or permission of department head
Note: This course was formerly numbered FR 203. Student may receive credit for only one of FR 203 or FRN 301
Note: Students who receive 75% or higher in FRLS 318 may choose to receive 3 credits for either FRLS 318 or FRN 301 upon completion of the placement test.

FRN 330 3:3-0
Etude de sujets varies sur la linguistique en contexte
Study of specific topics in French linguistics in context. Etude de sujets varies sur la linguistique en contexte
Prerequisite: FRN 236 or permission of department head

FRN 336 3:3-0
Litterature de la francophonie
Etude de textes litteraires de la francophonie dans une approche qui favorise l?analyse critique ainsi que l?amelioration de la lecture et de l?ecriture.
Study of literary texts of the Francophone world in a way that promotes critical thought as well as enhancement of writing and reading skills.
Prerequisite: FRN 301 with minimum grade of 60%, permission based on assessment test, or permission of department head
Note: Formerly numbered FR 245. Students may receive credit for only one of FR 245 or FRN 366

FRN 340 3:3-0
Selected Topics in Francophone and Intercultural studies
Study of a selected topic or topics in Francophone and Intercultural Studies.
Etude de sujets varies portant sur la Francophonie et les etudes interculturelles.
Prerequisite: FRN 301, Grade 12 French and permission based on assessment test, or permission of department head

FRN 350 3:3-0
Etude de sujets varies sur la langue francaise
Critical study and appreciation of selected topics in French language, translation and/or language as an expression of culture.
Etude critique et appreciation de sujets varies portant sur la langue francaise, la traduction et/ou la langue comme vehicule de la culture.
Prerequisite: FRN 301, permission based on assessment test, or permission of department head

FRN 360 3:3-0
Etude de sujets varies portant sur la litterature de la francophonie
Study of a selected topic or topics in Francophone Literature. Etude de sujets varies sur la litterature de la francophonie
Prerequisite: FRN 366 or permission of department head

FRN 366 3:3-0
Litterature de la francophonie
Etude de textes litteraires de la francophonie dans une approche qui favorise l?analyse critique ainsi que l?amelioration de la lecture et de l?ecriture.
Study of literary texts of the Francophone world in a way that promotes critical thought as well as enhancement of writing and reading skills.
Prerequisite: FRN 301, permission based on assessment test, or permission of department head
Note: Formerly numbered FR 245. Students may receive credit for only one of FR 245 or FRN 366

FRN 390 6:6-6
Travaux diriges avances en francais
Travaux diriges de fin de programme. Senior-level directed readings.
Prerequisite: FRN 301 or permission of department head

FRN 430 3:3-0
Etude avancee de sujets varies en linguistique francaise en contexte.
Advanced treatment of specific topics in French Linguistic in context. Etude avancee de sujets varies en linguistique francaise en contexte.
Prerequisite: FRN 236 and FRN 301, and completion of a further six credit hours of 300-level FR or FRN courses, or permission of department head

FRN 440 3:3-0
Etudes francophones et interculturelles avancees : sujets varies
Etude approfondie de sujets portant sur la francophonie, dans le temps, l?espace et la diversite de ses pratiques et discours. In-depth study of topics focusing on the francophone world, across space, time and the diversity of its practices and discourses.
Prerequisite: FRN 246 with the completion of six credit hours at the FRN 300 Level or permission of department head

FRN 450 3:3-0
Etude avancee de sujets varies sur la langue francaise
Advanced and critical study of selected topics in French language, translation and/or language as an expression of culture.
Etude avancee et exploration critique de sujets varies portant sur la langue francaise, la traduction et/ou la langue comme vehicule de la culture.
Prerequisite: FRN 301, and completion of a further six credit hours of 300-level FR or FRN courses, or permission of department head

FRN 460 3:3-0
Etude avancee de sujets varies portant sur la Litterature de la francophonie
Advance study of a selected topic or topics in Francophone Literature. Etude avancee de sujets varies portant sur la litterature de la francophonie
Prerequisite: FRN 366 with the completion of six credit hours at the FRN 300 Level or permission of department head

FRN 490 0-6:6-0
Travaux diriges de fin de programme
Travaux diriges de fin de programme. Senior-level directed readings.
Prerequisite: FRN 301, and completion of a further six credit hours at the 300-level of FR or FRN courses, or permission of department head
*Note: 0-credit hour courses are offered as a ?Maintenance of Candidacy? basis only for those completing a residency in a French-speaking area. *

GEOG Geography

GEOG 100 3:3-0
World Regional Geography
An introduction to the human and natural environments from a geographical perspective. The fundamental themes, of human and physical geography are examined by focusing upon global issues and regional patterns.

GEOG 120 3:3-1
Human Geography
Explanation of human placement in and interaction with the natural environment; assessment of concepts processes and patterns as related to distribution of human phenomena, including economic activity and settlement types. *Note: Formerly numbered GEOG 220. Students may receive credit for only one of GEOG 120 or 220.*

GEOG 121 3:3-1
Physical Geography
The physical basis of geography; climate, landforms, and the geography of water, soil, and plants. Emphasis is placed on processes that account for the earth's natural landscapes and their geographic variability. *Note: Formerly numbered GEOG 221. Students may receive credit for only one of GEOG 121 or 221.*

GEOG 203 3:3-0
Introduction to Geographic Information Systems
This course offers an introduction to basic concepts and techniques of geographic information systems (GIS) used for descriptive geostatistical analysis and visualization of spatial data. Operational training in GIS is included; students should be very comfortable with Windows.
Prerequisites: Any 100-level GEOG course or permission of department head

GEOG 207 3:3-0
Basics of Map and Air Photo Interpretations
Introduction to the interpretation of various kinds of maps, air photos and satellite images.
***Prerequisite: Any 100 Level GEOG course or permission of department head ***

GEOG 210 3:3-0
Canada
A systematic and regional geography of Canada. Elements of the natural environment; the human response in terms of territorial evolution, settlement and economic activity. Regions, regional identities, and regionalism.
*** Prerequisite: Any 100 Level GEOG course or permission of department head ***

GEOG 218 3:3-0
United States of America
A systematic and regional approach to the geography of the United States, emphasizing population movements and distribution, the natural environment, economic geography, and regional studies. ***Prerequisite: any 100-level GEOG course or permission of department head.***
Note: Formerly numbered GEOG 318. Students may receive credit for only one of GEOG 218 or 318.

GEOG 222 3:3-0
Global Economies, Local Lives
An introduction to economic geography, tracing the processes of economic globalization and localization. Emphasis on the development of the global economy as it plays out in local places with particular histories and cultures. Focus on the crisis of Fordism and the restructuring of resource industries, manufacturing, services and finance.
Prerequisite: GEOG 100 or GEOG 120 or permission of department head *Note: Formerly numbered GEOG 322. Students may not receive credit for both GEOG 222 and GEOG 322.*

GEOG 232 3:3-0
Geography of Recreation and Tourism
Employing multiple analytical approaches, this course examines the economic, social, cultural, and environmental factors and processes of recreation and tourism, and their implications on the environment, space, and place, at a variety of geographical and temporal scales.
Prerequisite: GEOG 100 or GEOG 120, or permission of department head
Note: Formerly numbered GEOG 332. Students may receive credit for only one of GEOG 232 and GEOG 332

GEOG 246 3:3-0
Urban Geography
The course examines cities as systems viewed at global, national, and local levels. Economic and social patterns and linkages are stressed. Special emphasis is placed on the Canadian urban system and the urban geography of Regina.
Prerequisite: GEOG 100 or GEOG 120, or permission of the department head
Note: Formerly numbered GEOG 324. Students may receive credit for only one of GEOG 246 or 324

GEOG 255 1:1-0
Geomatics Project 1
A combination of intellectual study and technical production commensurate with the course level. Projects require a review of the literature that highlights the main theme(s) or issue(s) being addressed, a discussion of the rationale for the selected data and analysis methods, detailed documentation of the applied analyses, and superior cartographic products.
Prerequisite: For B.GISc students only.

GEOG 297 1-3:3-0
Selected Topics in Physical Geography - an AA-ZZ series
Courses, typically in physical geography, designed as required for undergraduate students.

GEOG 303 3:3-0
Geographical Information Systems and Science
Concepts and theories behind spatial data analysis using geographic information systems (GIS). Topics include: spatial models, solving spatial issues using raster and vector analysis methods, geostatistics, and geovisualization.
Prerequisite: GEOG 203, or permission of department head
Note: Formerly numbered GEOG 405. Students may not receive credit for both GEOG 303 and GEOG 405.

GEOG 307 3:3-0
Digital Cartography
Introduction to digital map making: map projections, scale and generalization, methods of representing objects by symbols, map compilation, and planning of legends.
***Prerequisite: GEOG 207 or permission of department head ***

GEOG 309 3:3-0
Introduction to Remote Sensing in Geography
Basic concepts of remote sensing, a review of sensors and their images, emphasis on image interpretation and analysis, and introduction to application areas in geographic studies.
Prerequisite: GEOG 203 or permission of department head. GEOG 207 is strongly recommended.
*Note: Formerly numbered GEOG 331. Students may not receive credit for both GEOG 309 and GEOG 331. *

GEOG 316 3:3-0
Geography of the Third World
The so-called "Third World" is examined from a spatial perspective. Topics of investigation include imperialism, population growth, political boundaries, and economic transition.
***Prerequisite: 30 credit hours including GEOG 100 or GEOG 120, or permission of department head ***

GEOG 321 3:3-0
Meteorology
The basic principles of meteorology with special attention to weather conditions on the Canadian prairies.
***Prerequisite: 30 credit hours including GEOG 121, or permission of department head ***

GEOG 323 3:3-0
Geomorphology
The study of landforms and the processes which create and modify them. Emphasis on the mechanics of geomorphic processes and how they relate to properties of earth materials.
***Prerequisite: 30 credit hours including GEOG 121, or permission of department head ***

GEOG 325 3:3-0
Biogeography
An examination of the geographic distributions of plants and animals and the historical, geologic, and contemporary processes underlying those distributions. The course will include study of the influence of climate change, continental drift, and human activity on spatial distribution of flora/fauna.
***Prerequisite: 30 credit hours including GEOG 121, or permission of department head ***

GEOG 326 3:3-0
Environment and Resource Management
A systematic analysis of geographical aspects of theory and methods of natural resource management. Focus is on the geographer's role in resource analysis and policy decisions with examples from agriculture, forestry, wildlife, energy, and parks.
***Prerequisite: ENST 200, or permission of department head ***

GEOG 327 3:3-0
Hydrology
Basic principles of hydrology and the geography of water. Emphasis on the surface components of the hydrological cycle, and on the collection and analysis of hydrometric data.
***Prerequisite: 30 credit hours including GEOG 121, or permission of department head ***

GEOG 328 3:3-0
Population Geography
The course examines the dynamics of population change, population theories, and population forecasting. The demographic experiences of different world regions are contrasted. Particular reference is made to the demography of Saskatchewan's population.
***Prerequisite: 30 credit hours including GEOG 100 or GEOG 120, or permission of department head ***

GEOG 329 3:3-3
Soil Geography
Introduction to the properties, and classification of soil. The geography of soil at local, regional, and global scales. Relationship of soil to geomorphology, climate, water, vegetation, and environmental change.
***Prerequisite: 30 credit hours including GEOG 121, or permission of department head ***
*Note: Students may receive credit for only one of GEOG 329 or GEOL 329. *

GEOG 330 3:3-0
Political Geography
The effect of political action on present-day geography, and of geography on political problems.
***Prerequisite: 30 credit hours including GEOG 100 or GEOG 120, or permission of department head ***

GEOG 333 3:3-0
Natural Hazards
Characteristics and human impacts of selected natural hazards. Risk evaluation and responses. General and case study approaches, with emphasis on atmospheric and geomorphic hazards in Canada and the developing world.
***Prerequisite: 30 credit hours including GEOG 120 or GEOG 121, or permission of department head ***

GEOG 336 3:3-0
Cultural Geography
A survey of the sub-field of cultural geography, and its evolution over the last century. Core themes include the interpretation of cultural landscapes, representation, expressions of culture, and cultural politics. Emphasis is placed on works written after the ?cultural turn? of the late 20th century.
Prerequisite: 30 credit hours, including GEOG 100 or GEOG 120, or permission of department head

GEOG 338 3:3-0
Geography of Identities and Power
An examination and comparison of the fe/male use and perception of space and place by time-period, and culture, age, gender, race, ethnicity, class and sexuality: in homes, neighbourhoods, cities, rural areas, recreation, travel, environment, and politics, race, education and ethnicity.
***Prerequisite: 30 credit hours, including GEOG 100 or 9 credit hours in GEOG, including GEOG 120, or permission of department head ***
*Note: Cross-listed with WGST 362. Students may receive credit for only one of GEOG 338 or WGST 362 *

GEOG 344 3:3-0
Aboriginal Geographies of Canada
The first half of this course focuses on the cultural ecologies of the pre-contact period and then moves on to study geographical relationships between Native peoples and the French, British and Canadian governments. The second half emphasizes decolonization strategies and the conemporary geographies of aboriginal peoples across the country.
Prerequisite: 30 credit hours including GEOG 100 or GEOG 120, or permission of department head
Note: Formerly numbered GEOG 396AG. Students may receive credit for only one of GEOG 396AG or GEOG 344

GEOG 346 3:3-0
Urban Planning
This course examines the classical roots of modern urban planning, the core concepts of planning theory, and the land-use plan. Emphasis is placed on urban planning in Canada and especially in Regina.
Prerequisite: GEOG 100 or GEOG 120 or permission of department head *Note: Formerly numbered GEOG 424. Students may not receive credit for both GEOG 346 and GEOG 424.*

GEOG 355 1:1-0
Geomatics Project 2
A combination of intellectual study and technical production commensurate with the course level. Projects require a review of the literature that highlights the main theme(s) or issue(s) being addressed, a discussion of the rationale for the selected data and analysis methods, detailed documentation of the applied analyses, and superior cartographic products. The topic for this project must be distinct from the project completed in GEOG 255.
***Prerequisite: GEOG 255; For B.GISc students only. ***

GEOG 390 1-3:3-0
Directed Reading and Research - an AA-ZZ series.
Courses designed, typically in human geography, for individual students.
** Permission of the department head may be required to register in some offerings. **

GEOG 391 1-3:3-0
Directed Reading and Research - an AA-ZZ series.
Courses designed, typically in physical geography, for individual students.
** Permission of the department head may be required to register in some course offerings. **

GEOG 396 1-6:6-0
Selected Topics - an AA-ZZ series.
Courses, typically in human geography, designed as required for groups of senior undergraduates.
** Permission of the department head may be required to register in some offerings. **

GEOG 397 1-3:3-0
Selected Topics - an AA-ZZ series.
Courses, typically in physical geography, designed as required for groups of senior undergraduates.
** Permission of the department head may be required to register in some offerings. **

GEOG 409 3:3-0
Advanced Spatial Analysis and Visualization (GIS)
Advanced topics in geomatics exploring the coupling and integration of computer-assisted cartography, geostatistics and analysis, GIS, and remote sensing. Students will work in small groups to design geomatics solutions addressing selected planning, environmental management or research problems.
Prerequisite: GEOG 303, 307, and 309, or permission of department head

GEOG 411 3:3-0
Field Techniques in Physical Geography
Techniques for the acquisition and analysis of field data used in physical geographical research.
Prerequisite: GEOG 121, 205 and one of GEOG 321, 323, 325, 327 or 333 or permission of the department head

GEOG 414 3:3-0
Europe
A systematic approach to the geography of Europe. Emphasis is placed on selected themes in the physical, historical, cultural, political, and economic geography of the area. Regional study will be limited to five or six selected countries and will help to illustrate the rapid changes taking place in Europe.
Prerequisite: ENST 200 and any two of GEOG 323, 325, 328, 329, 330 or 336 or permission of department head.

GEOG 421 3:3-0
Topics in Climatology and Meteorology
Weather and human activities. Response to weather hazards: hurricanes, thunderstorms, droughts. World climate regions. Climate change. Human impact of weather, weather forecasting and climatological information. Anthropogenic effects on the atmosphere.
***Prerequisite: GEOG 321 or permission of department head ***

GEOG 423 3:3-0
Advanced Geomorphology
An advanced course in landforms and the processes that create and modify them. Topics include glacial, periglacial, and theoretical geomorphology, and the relationship between geomorphology and environmental change.
***Prerequisite: GEOG 323 or permission of department head ***
*Note: Formerly numbered GEOG 423AB. Students may not receive credit for both GEOG 423 and 423AB. *

GEOG 429 3:3-3
Glacial and Periglacial Geomorphology
An advanced course relating to cold environments and their geomorphic processes. Topics cover glacial and periglacial processes and their resulting landforms. Special attention will be paid to the Canadian Arctic environment and the history of glaciation in Canada, particularly during the last glacial episode during the Wisconsin advance and retreat.
Prerequisite: GEOG 323 or permission of department head
Note: Formerly numbered GEOG 423AA. Students may not receive credit for both GEOG 429, GEOG 423AA or GEOL 429.

GEOG 431 3:3-0
Climate Change Impacts, Adaptation and Vulnerability
This course focuses on the impacts of climate change on biophysical and and social systems, and the adjustments to policies and practices that will be required to minimize the negative impacts. It is intended for advanced undergraduates and graduate students with an interest in this emerging and important field of study. ***Prerequisite: GEOG 120 and 121 ***

GEOG 440 6:6-0
Geography of the Caribbean
The course surveys the physical and human geography of the Caribbean basin. Particular focus is placed on environmental management and economic development issues. Detailed case studies are drawn from the geography of Jamaica. Note: The course includes a 14-day field trip to Jamaica conducted during the February mid-term break.
***Prerequisite: ENST 200 and any two of GEOG 316, 322, 323, 325, 327, 332, or permission of department head ***
*Note: Formerly numbered GEOG 496AA. Students may not receive credit for both GEOG 440 and GEOG 496AA. *

GEOG 455 1:1-0
Geomatics Project 3
A combination of intellectual study and technical production commensurate with the course level. Projects require a review of the literature that highlights the main theme(s) or issue(s) being addressed, a discussion of the rationale for the selected data and analysis methods, detailed documentation of the applied analyses, and superior cartographic products. The topic for this project must be distinct from the project completed in GEOG 255 and GEOG 355.
***Prerequisite: GEOG 355; For B.GISc students only. ***

GEOG 490 1-3:3-0
Directed Reading and Research - an AA-ZZ series.
Courses, typically in human geography, designed for individual students.
** Permission of the department head may be required to register in some offerings. **

GEOG 491 1-3:3-0
Directed Reading and Research - an AA-ZZ series.
Courses, typically in physical geography, designed for individual students.
** Permission of the department head may be required to register in some offerings. **

GEOG 496 1-3:3-0
Selected Topics - an AA-ZZ series.
Courses, typically in human geography, designed as required for groups of senior undergraduates.
** Permission of the department head may be required to register in some offerings. **

GEOG 497 1-3:3-0
Selected Topics - an AA-ZZ series.
Courses, typically in physical geography, designed as required for groups of senior undergraduates.
** Permission of the department head may be required to register in some offerings. **

GEOG 499 6:0-0
Honours Thesis - an AA-AC series.
An exposition of a topic approved by the department. The thesis should draw some original conclusions on the topic concerned.
Permission of the department head is required to register.
Note: The required 6 hours may be taken in one term (GEOG 499AC) or spread equally over two consecutive terms (GEOG 499AA and GEOG 499AB).

GEOL Geology

GEOL 051 0:0-0
Geology Co-op Work Term 1
Four month Co-op work term approved by the department and arranged by the Co-op coordinator.

GEOL 052 0:0-0
Geology Co-op Work Term 2
Four month Co-op work term approved by the department and arranged by the Co-op coordinator.

GEOL 053 0:0-0
Geology Co-op Work Term 3
Four month Co-op work term approved by the department and arranged by the Co-op coordinator.

GEOL 054 0:0-0
Geology Co-op Work Term 4
Four month Co-op work term approved by the department and arranged by the Co-op coordinator.

GEOL 102 3:3-1.5
Environmental Geology
The nature of the earth. Plate tectonics and the geological time scale. Earthquakes, volcanism and surface processes with reference to their effect on the human environment. Earth resources, waste disposal, and pollution in a geological context.

GEOL 201 3:3-3
Internal Processes of the Earth
Internal earth processes and materials composing the earth. The geological time scale. Deformation and structures of earth materials. Plate tectonics, continental drift and mountain building. Earth resources.
Prerequisite: Students must pass GEOL 102 with a minimum grade of 60.00%

GEOL 210 3:3-3
Mineralogy I
Crystal structure and symmetry, Chemistry and occurrence of minerals. Mineral optics.
Prerequisite: GEOL 201 with a minimum grade of 60%.
Note: GEOL 201 may be taken concurrently with a minimum grade of 75% in GEOL 102.

GEOL 211 3:3-3
Mineralogy II
Mineral phase diagrams. Minerals of igneous, metamorphic and sedimentary rocks. Mineral paragenesis. Geothermometers and geobarometers. X-ray techniques. Introduction to thin section identification of minerals in igneous, sedimentary, and metamorphic rocks.
***Prerequisite: GEOL 210 ***

GEOL 240 3:3-3
Earth System History
Inter-connected evolution of atmosphere-biosphere-hydrosphere-lithosphere over the course of geologic time; its forcing mechanisms, interactions, and feedbacks. Major physical and biological global events emphasizing North America and Western Canada.
***Prerequisite: GEOL 102 ***

GEOL 241 0-3:3-3
Paleontology
Classification, morphology, evolution, paleoecology, and stratigraphic distribution of the main groups of fossils.
Prerequisite: GEOL 240.
Note: GEOL 241 is a winter only course.

GEOL 270 3:3-3
Earth Resources and the Environment
An intermediate course focused on origin, global distribution, use and environmental impact of earth resources, metallic minerals, energy resources, industrial minerals, and the social, economic and political implications of mineral resources.
***Prerequisite: GEOL 102 ***
*Note: GEOL 270 may not be taken by students who have passed GEOL 472 and/or GEOL 470. *

GEOL 307 3:3-3
Geochemistry
Principles of crystal, aqueous, and isotopic geochemistry, and applications to igneous, sedimentary, and metamorphic rocks, and geochemical exploration. Principles of radiometric dating of rocks. Practical problem solving in applied geochemistry.
Prerequisite: CHEM 105 and GEOL 211

GEOL 313 3:3-3
Igneous Petrology
Classification and genesis of igneous rocks. Introduction to the common igneous rock suites and associations. Study of hand specimens and thin sections.
***Prerequisite: GEOL 211 and GEOL 307 which may be taken concurrently, CHEM 250 is recommended ***

GEOL 314 3:3-3
Sedimentology
Classification, genesis, and petrology of sedimentary rocks. Sediment transport and deposition processes. Sedimentary environments.
***Prerequisite: GEOL 201 and 211 ***

GEOL 315 3:3-3
Metamorphic Petrology
Metamorphic minerals, rocks and processes. Agencies and occurrence of metamorphism. Metamorphic grade, zones and facies. Metamorphic reactions and the petrogenic grid. Metamorphic textures. Anatexis and development of migmatites.
Prerequisite: GEOL 211 and GEOL 307 (GEOL 307 may be taken concurretly.)

GEOL 329 3:3-3
Soils and Sediment Analysis
Introduction to the analysis, properties and classification of soils and sediments. Includes an understanding of the distribution of soil types at local, regional and global scales due to environmental indices like climate, geology, water, and vegetation. This course uses experiential learning where students conduct a field and laboratory study of their own field site, using basic measurements of soils and sediments.
Prerequisite: GEOG 121
Note: Students may not receive credit for both GEOL 329 and GEOG 329 or GEOL 494AD

GEOL 340 3:3-3
Stratigraphy
Principles and problems of stratigraphy. Geological history of North America in its world setting. Index fossils. Geological maps.
Prerequisite: GEOL 220 or 241, 240 and 314. GEOL 314 may be taken concurrently

GEOL 353 3:3-3
Structural Geology I
Primary structural features. Geometry of structural features including simple folds and faults. Relationship between structural features and land forms. Geological maps and air photos.
***Prerequisite: GEOL 201 and GEOL 211 ***

GEOL 396 3:3-3
Geology Field Camp I
Geological study and mapping in an area of sedimentary rocks. Supervised study for several days during the Spring/summer term. An additional charge will be assessed to cover accommodation and meals.
*** Prerequisite: Six courses (18 credit hours) in Geology. ***
*Note: Students must advise the Geology Department of their intent to register prior to February 15. *

GEOL 400 6:0-0
Undergraduate Thesis in Geology
Original investigation under the supervision of a faculty member. A thesis describing the research is written and presented, and defended.
***Prerequisite: GEOL 313, 314, 315, 340, 453 and 396, a minimum grade point average of 70% ***
** Permission of the department head is required to register. **
*Note: This course may be taken in one term (as GEOL 400AC or two consecutive terms (as GEOL 400AA and GEOL 400AB).

GEOL 413 3:3-3
Igneous Petrogenesis and Processes
Advanced study of the processes of magma formation and crystallization. Characteristics and genesis of igneous rock suites and associations. Study of igneous rock suites in hand specimen and thin section.
***Prerequisite: GEOL 313 ***
*Note: Not offered every year. *

GEOL 414 3:3-3
Geology of Siliciclastic Rocks
Depositional models using modern sedimentary analogues to interpret ancient environments.
***Prerequisite: GEOL 314 and GEOL 340 ***

GEOL 416 3:3-3
Geology of Carbonate Rocks
Modern and ancient depositional environments of limestone and dolomite. Diagenetic processes affecting carbonate rocks.
***Prerequisite: GEOL 307 and 314, GEOL 307 may be taken concurrently ***

GEOL 429 3:3-3
Glacial and Periglacial Geoscience
An advanced course relating to cold environments and physical processes. Topics cover the physics of glaciers, glacial and periglacial processes and resulting erosional and depositional landforms and landscapes. Special attention will be paid to the Canadian Arctic environment and the history of glaciation in North America. Lab time is used to conduct short experiments, measure the snow pack and examine glacial sediments to add to our understanding of glacial processes.
Prerequisite: GEOG 323
Note: Students may not receive credit for both GEOL 429 and GEOG 429 or GEOG 423AA

GEOL 451 3:3-3
Geology of North America
Geology and geological history of North America, with emphasis on Canada. The nature of continental assembly, crustal evolution and geodynamics through time, and comparative studies of lithostratigraphy and magmatism in relation to geotectonic environment. Phanerozoic sedimentary basins.
***Prerequisite: GEOL 313, 315, 340, and GEOL 453 or 350 ***
*Note: Not offered every year. *

GEOL 453 3:3-3
Structural Geology ll
Morphology, nomenclature and classification of large and small scale structures in the earth's crust. Natural stress-strain relations and structural analysis and interpretation. Major tectonic features of the earth.
***Prerequisite: GEOL 353 and PHYS 109 ***

GEOL 454 0-3:3-3
Global Tectonics and Earth History
Internal structure and processes of the earth, formation and evolution in the context of the solar system, mantle and crustal processes through time, plate tectonics and orogenic activity, supercontinent cysles, case studies of orogenic belts.
Prerequisite: GEOL 453 (may be taken concurrently).
Note: Not offered every year.
*Note: Credit cannot be held for both GEOL 452 and GEOL 454. *

GEOL 460 3:3-3
Applied Exploration Geophysics
Introduction to geophysical methods including seismic, magnetics, gravity, electromagnetics, IP, radiometrics, and remote sensing. Application to finding and developing petroleum pools and mineral deposits.
***Prerequisite: MATH 110, PHYS 112 or PHYS 119 and GEOL 201 or permission of the department head ***

GEOL 470 3:3-3
Metallic Mineral Deposits
Geologic characteristics and genesis of metallic mineral deposits. Basic concept of mineral exploration. Ore mineralogy and petrology.
Prerequisite: GEOL 313, 314, and 353.

GEOL 472 3:3-3
Petroleum Geology
Origin, accumulation, and occurrence of petroleum. Reservoir rocks, fluids and traps. Reservoir conditions and mechanics. Mechanical logs and subsurface methods. Application to finding and developing petroleum pools.
***Prerequisite: GEOL 340 or permission of department head ***

GEOL 473 3:3-3
Petroleum Geochemistry
Production of organic matter and its accumulation and transformation in sedimentary rocks. Kerogen and the generation, migration and alteration of petroleum. Formation of coal. Application to oil and gas exploration.
*** Corequisite: GEOL 472 or permission of department head ***
Note: Not offered every year.

GEOL 474 3:3-3
Environmental Hydrogeology
Water chemistry, water quality and contamination, discussion of remediation (clean-up) of soil and water, and computer modeling of various hydrogeological problems.
***Prerequisite: GEOL 371 and CHEM 230 ***
*Note: Not offered every year. *

GEOL 476 3:3-3
Principles of Groundwater Flow
Principles of groundwater flow, properties of aquifers, geology of groundwater occurrence, and regional groundwater flow with examples from the Western Canadian Sedimentary Basin.
***Prerequisite: GEOL 314, 340, MATH 110 or permission of department head. GEOL 340 may be taken concurrently. ***

GEOL 490 3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students.

GEOL 491 3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students.

GEOL 492 3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students.

GEOL 493 3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students.

GEOL 494 3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students.

GEOL 495 3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students.

GEOL 496 3:3-3
Geology Field Camp II
Geological mapping and study in an area of crystalline rocks. Supervised study for several days during the Spring/summer term. An additional charge will be assessed to cover accommodation and meals.
Prerequisite: GEOL 396, 353, and GEOL 313 or GEOL 315.
*Note: Students must advise Geology Department of their intent to register prior to May 15. *

GER German

GER 111 3:3-1
German Language and Culture I
Introduction to speech acts, their underlying structures, paradigms, syntax and cultural context. Stress on communicative competence and cross-cultural awareness. Printed and electronic learning materials.
***Prerequisite: No previous background in German. Refer to the Department of International Languages Section of the Undergraduate Calendar (How to choose a language) for details. ***
Note: Formerly numbered GER 100. Students may receive credit for only one of GER 100 or 111.

GER 112 3:3-1
German Language and Culture II
Completion of overview of speech acts, their underlying structures, paradigms, syntax and cultural context. Further emphasis on oral and written communicative competence and cross-cultural awareness. Printed and electronic learning materials.
***Prerequisite: GER 111. ***
** If you do not have the prerequisite or have Grade 12 German, please contact the Department of International Languages **
Note: Formerly numbered GER 101. Students may receive credit for only one of GER 101 or 112.

GER 211 3:3-1
German Language and Culture III
Review of fundamental structures and paradigms; further practice in oral and written comprehension and expression; emphasis on extension of vocabulary, text-type recognition and production in an intercultural context. Printed and electronic learning materials.
***Prerequisite: GER 112 or permission of Department ***
Note: Formerly numbered GER 102. Students may receive credit for only one of GER 102 or 211.

GER 212 3:3-1
Syntax and Communication
Development of oral and written communicative independence; stress on idiomatic usage, text type recognition and production. Printed and electronic learning materials.
***Prerequisite: GER 211 or permission of Department ***
Note: Formerly numbered GER 201. Students may receive credit for only one of GER 201 or 212.

GER 303 3:3-0
German for Business
Introduction to Business German, business correspondence, resumes, reports, and presentations.
***Prerequisite: GER 212 or permission of Department ***

GER 311 3:3-1
Stylistics and Communication
Strengthening of oral and written proficiency; extension of idiomatic usage, recognition and production of a broad range of text types and differing styles and registers. Printed and digitized-video materials.
Prerequisite: GER 212 or permission of Department
Note: Formerly numbered GER 202. Students may receive credit for only one of GER 202 or 311

GER 312 3:3-1
Advanced Idiomatic Usage
Strengthening of oral and written fluency, review and extension of complex idiomatic usage and syntax. Text-type, style and register recognition and production. Also included is an examination of events of the day as reported through the media; print, radio, television, and internet. Discussions, essay-writing and presentations in German.
***Prerequisite: GER 311 or permission of Department ***
*Note: This course prepares students for further studies in culture, linguistics and literature, and/or for a period of study abroad in any area of study at a German- language university. Students who complete this course may qualify to take an examination leading to the internationally recognized Zertifikat Deutsch als Fremdsprache. *
Note: Formerly numbered GER 300. Students may receive credit for only one of GER 300 or 312.

GER 390 1-3:3-0
Tutorials in German - an AA-ZZ series.
***Prerequisite: GER 311 ***
**Permission of Department may be required to register in some offerings. **

GER 411 3:3-1
Advanced Idiomatic Usage and Review II
Continuation of GER 312. Strengthening oral and written fluency, review and extension of complex idiomatic usage and syntax. Text-type, style and register recognition and production. Also included is an examination of events of the day as reported through the media; print, radio, television, and internet. Discussions, essay-writing and presentations in German.
***Prerequisite: GER 312 ***
*Note: This course prepares students for further studies in culture, linguistics and literature, and/or for a period of study abroad in any area of study at a German-language university. Students who complete this course may qualify to take an examination leading to the internationally recognised Zertifikat Deutsch als Fremdsprache. *
Note: Formerly numbered GER 400. Students may receive credit for only one of GER 400 or 411.

HIST History

HIST 113 3:3-0
Issues in Canadian History
An exploration of major themes, periods and events in Canadian History, this course introduces students to the methods and sources of historical study and familiarizes them with significant historical developments from the Canadian past.
Note: Students may receive credit for only one of HIST 101, 102, 103 or 113.

HIST 114 3:3-0
Issues in the History of the Americas
An exploration of major themes, periods and events in the history of the Americas, this course introduces students to the methods and sources of historical study, familiarizes them with significant developments in the history of the Americas and encourages them to compare the historical experiences of various American peoples.
Note: Students may receive credit for only one of HIST 104, 112 or 114

HIST 115 3:3-0
Issues in European History
An exploration of major themes, periods and events in European history, this course introduces students to the methods and sources of historical study, familiarizes them with significant developments in the history of Europe and places that history in a global context.
Note: Students may receive credit for only one of HIST 106, 107, 108 or 115.

HIST 116 3:3-0
Issues in World History
An exploration of major themes, periods and events in World History, this course introduces students to the methods and sources of historical study, familiarizes them with significant historical developments in global history, and encourages them to make comparisons between civilizations.
Note: Students may only receive credit for one of HIST 116, HIST 107, or HIST 105.

HIST 150 3:3-0
Today's World: Historical Perspectives
This course explores the influence of the past on the world in which we live.
Topics addressed will be taken from today?s headlines and will reflect a wide variety of periods and geographical areas. Topics may include terrorism, environmentalism, war, demonstrations, popular culture, the welfare state, global crises.

HIST 200 3:3-0
Canada from the Age of Exploration to Confederation
An investigation of the meeting, transformation and development of societies in Canada between European landfall and the achievement of substantial self-government in 1867. Areas of interest: government, politics, economy, society and conflict in la Nouvelle France and British North America.
***Prerequisite: One 100 level History course or completion of 15 credit hours ***
*Note: Formerly numbered HIST 203 and HIST 204. Students may not receive credit for both HIST 200 and either of HIST 203 or HIST 204. *

HIST 201 3:3-0
Canada From Confederation to World War II
A survey of Canadian history from Confederation to the outbreak of World War II including such topics as John A. Macdonald's National Policy, western settlement, the rise of urban, industrial Canada, the impact of World War I, society and politics during the 1920s and the Great Depression.
***Prerequisite: One 100 level History Course or completion of 15 credit hours ***
*Note: Formerly numbered HIST 205 and HIST 206. Students may not receive credit for both HIST 201 and either of HIST 205 or HIST 206. *

HIST 202 3:3-0
Canada from World War II to the Present
A survey of the making of modern Canada since 1939, including such topics as the building of the welfare state, Canadian foreign policy, the military in war and peacekeeping, Quebec separatism, the women's movement, Aboriginal rights, the new constitution and Charter of Rights, the economy and free trade.
***Prerequisite: One 100 level HIST course or completion of 15 credit hours ***
*Note: Formerly numbered HIST 207. Students may not receive credit for both HIST 202 and HIST 207. *

HIST 224 3:3-0
English History 1216-1485
A survey of the history of England and its relations with Wales, Scotland and France in the later Middle Ages. Topics will include: the development of parliament; art and architecture; heresy; the Black Death; the Hundred Years' War; civil unrest and political strife; life in towns, cities, and the countryside.
***Prerequisite: One HIST 100 or completion of 15 credit hours ***
*Note: Formerly numbered HIST 220 and HIST 221. Students may not receive credit for both HIST 224 and either of HIST 220 and HIST 221. *

HIST 225 3:3-0
Tudor and Stuart Britain
Topics include the Tudors, the Protestant Reformation, the growing power of parliament and its changing relationship with the king, the role of religion in early modern society, popular belief and the Civil War. We will also look at the Revolution of 1688 and its implications for the British constitution.
***Prerequisite: One 100 level HIST course or completion of 15 credit hours ***
*Note: Formerly numbered HIST 221 and HIST 222. Students may not receive credit for both HIST 225 and either of HIST 221 and HIST 222. *

HIST 226 3:3-0
The Powerful versus the Poor: the Evolution of Modern Britain
Topics include the slave trade and the rise of the abolitionist movement, the loss of the American colonies and Britain's response (both radical and conservative) to the French Revolution, the Industrial Revolution, the Reform Act of 1832, the Irish Potato Famine, and Britain's experience in the two world wars.
***Prerequisite: One 100 level HIST course or completion of 15 credit hours ***
*Note: Formerly numbered HIST 223. Students may not receive credit for both HIST 226 and HIST 223. *

HIST 231 3:3-0
The American Colonies and the United States before 1865
Examination of such topics as colonial life; Anglo-Native relations; the Revolutionary era; economy, politics, religion, reform, and society in the early republic; antebellum America; slavery and race relations; gender and family issues; westward expansion, war, and diplomacy and the American Civil War.
***Prerequisite: One 100 Level HIST or completion of 15 credit hours. ***

HIST 233 3:3-0
African American History Since 1783
Examines modern African American history, analyzing culture, gender and social relations throughout the nineteenth/twentieth century United States. Areas of study include events leading up to the Civil War and its aftermath; early struggles for civic equality; the emergence of a modern civil rights movement and the radicalization of social protest.
Prerequisite: One 100-level HIST course or completion of 15 credit hours

HIST 234 3:3-0
The United States, 1865-1941
Topics covered include Western expansion and development; growth of the urban industrial order; immigration/ethnicity; African Americans; gender issues; society and culture; regionalism; politics; emergence of the United States as a world power from the end of the Civil War to the beginning of U.S. involvement in World War II.
***Prerequisite: One 100 level HIST or completion of 15 credit hours. ***

HIST 235 3:3-0
The United States Since 1941
Topics covered include America as a global power; domestic impact of the Cold War; politics; economic transformation; regionalism; African Americans; ethnic America; gender issues; social movements; society and culture.
***Prerequisite: One 100 level HIST or completion of 15 credit hours ***

HIST 239 3:3-0
A History of the Cowboy
The cowboy has served as a central masculine archetype in the Americas since horses were introduced. Not only of historical significance empirically in Argentina, Mexico, and the United States, culturally the cowboy?s influence has reached from Hollywood to the White House, the Pampas to Chihuahua. This course explores why.
***Prerequisite: One 100 level HIST course or completion of 15 credit hours ***

HIST 250 3:3-0
Modern Dragons: Revolutionary China and Japan
This course aims to impart an understanding of modernization processes in East Asia from the nineteenth century to the 1980s. Attention is focused on how China and Japan addressed the western-led challenge of modernization. Emphasis is also placed on social and economic change.
***Prerequisite: 100-level History course or completion of 15 credit hours ***
Note: Formerly numbered HIST 105. Students may receive credit for only one of HIST 105 or 250.

HIST 255 3:3-0
Japan of the Samurai
Examines Japan from medieval times up to the middle of the nineteenth century. Discussion will cover the political, social, economic as well as cultural developments of each period with emphasis on the means by which groups and individuals acquired and attempted to maintain their influence over others.
***Prerequisite: One 100 level HIST or completion of 15 credit hours ***

HIST 256 3:3-0
History of Modern Japan
Examines the search for a new national identity in modern Japan through an analysis of political, social, economic and cultural changes from 1868 to the 1970s.
***Prerequisite: One 100 level HIST or completion of 15 credit hours ***

HIST 260 3:3-0
Earliest Civilizations
An introduction, emphasizing the use of archaeological data, to the rise and development of the oldest civilizations in the Eastern Hemisphere, particularly those of Mesopotamia and Egypt.
***Prerequisite: One 100 level HIST or completion of 15 credit hours ***

HIST 261 3:3-0
Introduction to Ancient Greece
This course introduces students to the history of ancient Greece. The emphasis is on social, political, cultural and military themes, from the Bronze Age through to the Hellenistic Period.
***Prerequisite: One 100-level HIST course or completion of 15 credit hours ***
Note: Students may receive credit for only one of HIST 261 or 264

HIST 262 3:3-0
Introduction to Ancient Rome
This course introduces students to the history of ancient Rome. The emphasis is on social, political, cultural and military themes, from the Regnal Period (c. 750-510 BC) through to the Principate (c. 31 BC-AD 300).
***Prerequisite: One 100-level HIST course or completion of 15 credit hours ***
Note: Students may receive credit for only one of HIST 262 or 264

HIST 265 3:3-0
Early Middle Ages 300-1100
This course covers the emergence of medieval Europe out of Roman, Germanic, and Christian influences. Topics include the Viking attacks, the rise of the Christian Church, the decline and revival of urban life, the "King Arthur" controversy, and the development of kingdoms and empires.
***Prerequisite: One 100 level HIST or completion of 15 credit hours ***

HIST 266 3:3-0
Western Europe in the Later Middle Ages, 1100-1400
The themes of this course include: the Crusades, heresies, Church reform, universities and learning, chivalry and courtly love, towns and trade, intensification of anti-Semitism, developments in religion, art and architecture, monarchies and government, the Black Death, the Papacy, and Church-state relations.
***Prerequisite: One 100 level HIST or completion of 15 credit hours ***

HIST 270 3:3-0
Europe, 1400-1648: Renaissance and Reformation
This course examines the Italian Renaissance in art, culture and thought; overseas explorations; Protestant and Catholic Reformations; rise of the nation state; the Thirty Years War; the Scientific Revolution.
***Prerequisite: One 100 level HIST or completion of 15 credit hours ***

HIST 271 3:3-0
Health, Disease and the Body: The History of Medicine in Western Culture
This course surveys the history of medicine by exploring how concepts of healing, disease, and the body have changed over time. Themes to be explored include: the role of magic and religion in healing, social impact of contagious disease, gender and reproduction, mental illness, and the development of medical professions.
***Prerequisite: One 100 level HIST course or completion of 15 credit hours ***

HIST 272 3:3-0
Gender and the Body in Early Modern Europe
This course examines the social history of Europe from the 15th to the 18th centuries through a focus on issues related to gender, sexuality and the body. It includes topics such as: gender definitions, marriage and family, sexuality and morality, and clothing and fashion.
***Prerequisite: One 100-level HIST course or completion of 15 credit hours ***

HIST 275 3:3-0
Nineteenth Century Europe
Industrialization, urbanization, science, ideological conflicts; Congress of Vienna, Concert of Europe, revolutions of 1848-49; unifications of Italy and Germany; Napoleon III; Imperialism, origins of the First World War.
***Prerequisite: 100 level History course or completion of 15 credit hours ***

HIST 277 3:3-0
Europe, 1648-1815: Absolutism and Revolution
This course surveys the varieties of absolutism under the old regime, the eighteenth-century Enlightenment, the French Revolution and the Napoleonic Empire. It also considers the rise of the public sphere, the beginnings of industrial revolution and changing attitudes toward crime and poverty.
***Prerequisite: One 100 level HIST or completion of 15 credit hours ***
*Note: Formerly numbered HIST 274 and HIST 275. Students may not receive credit for both HIST 277 and either of HIST 274 and HIST 275. *

HIST 278 3:3-0
Twentieth Century Europe
First World War, revolutions, peace treaties; League of Nations; fascism, nazism, the Spanish Civil War; causes and consequences of the Second World War; divided Europe since 1945.
***Prerequisite: One 100 level HIST or completion of 15 credit hours ***
*Note: Formerly numbered HIST 276. Students may not receive credit for both HIST 278 and HIST 276. Web delivered class sections may be subject to an additional $50.00 material fee. *

HIST 286 3:3-0
The Russian Empire Since Ivan the Terrible
Ivan the Terrible and the expansion of Muscovy, Peter the Great and Europeanization, Enlightened absolutism, Russian nationalism, the Russian Revolution, the consolidation of the Soviet Union, the impact of two World Wars, the Cold War, the break up of the Soviet Empire and the reassertion of nationalities and their identities.
****Prerequisite: One 100 level HIST course or completion of 15 credit hours ***

HIST 290 3:3-0
Selected Topics - an AA-ZZ series.
A survey course on topics of interest in a particular field of History.
***Prerequisite: One 100 level HIST or completion of 15 credit hours ***

HIST 301 3:3-0
Federalism and the Canadian Experience
This course studies the origins, structure, and evolution of Canadian federalism. It focuses on the relationship between Ottawa and the provinces, and considers several themes: Confederation, regionalism and province-building, federal-provincial relations, the role of the courts, constitutional development, the welfare state, fiscal arrangements and economic policy, and contemporary issues.
Prerequisite: One HIST course or completion of 30 credit hours
Note: Students may receive credit for only one of HIST 301 or PSCI 331

HIST 302 3:3-0
French-English Relations in Canada
The relationship between Canada's two largest language groups in the 19th and 20th centuries.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 303 3:3-0
Canada in the World
This course examines the history of Canadian Foreign Policy and considers Canada?s place on the international stage. It also investigates how various political leaders managed Canada's involvement in international affairs from Confederation to the present.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 307 3:3-0
Social History of the "Sixties" in North America
From the "beats" of the 1950s to the fall of Saigon in 1975, baby-boomer youth transformed society through the counterculture, sexual revolution, the new left, student power, environmentalism, and liberation movements, making the "Sixties" the homeland of today. The course compares the Canadian and US experiences of this turbulent era.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 310 3:3-0
History of Native People in Canada
This course is on the history and historiography of Native people in Canada. It will cover aspects of the history of Native people from coast to coast since the time of European contact. It will also look at the changing ways in which historians have approached and interpreted that history.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 314 3:3-0
The Legal History of Canada
Aboriginal approaches to law; colonial regimes and the arrival of European law; the development of modern institutions; individual, group, and majority rights in a democratic society.
***Prerequisite: One HIST course or completion of 30 credit hours ***
*Note: Formerly numbered HIST 213. Students may not receive credit for both HIST 314 and HIST 213. *

HIST 315 3:3-0
Consumer Culture and Canadian Identity
Canada is one of the richest consumer nations, purchasing more goods per capita than most other countries in the world. Is Canadian consumption sustainable? What are the connections between shopping and identity? From trade's earliest beginnings to today?s box stores, this course examines the history of Canadian consumer culture.
Prerequisite: One HIST course or completion of 30 credit hours

HIST 316 3:3-0
Canadian American Relations
Focusing mainly on Canada's relationship with the United States in the 19th and 20th centuries, this course will investigate the process of political, economic, social, and cultural integration/subordination.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 318 3:3-0
History of the Prairie West
The course will survey the history of the Prairie West from the pre-contact period to the 21st century. Topics will include: Native history, the fur trade, Canadian westward expansion, the Batoche resistance, settlement, the wheat economy, the 'Dirty Thirties,' the world wars, the resource boom and the New West.
***Prerequisite: One HIST course or completion of 30 credit hours ***
*Note: Formerly numbered HIST 211. Students may not receive credit for both HIST 318 and HIST 211. *

HIST 321 3:3-0
The Politics of Crowds: Popular Protest in Britain since 1700
The course deals with the political, economic, nationalist and religious motivations of protest; bread riots, the Gordon riots, and the Chartist movement; twentieth-century protest, including the movement for nuclear disarmament, student and anti-Vietnam War protest and the anti-war protest of 2003.
***Prerequisite: One HIST course or 30 credit hours ***

HIST 322 3:3-0
Sex and the City: the Pursuit of Pleasure in Britain since 1500
Topics include early modern erotica, libertines, the royal mistresses of Charles II, the city and sexual danger, prostitution, Victorian repression, abortion and birth control, twentieth-century liberal attitudes toward sexuality, the impact of sex manuals and sex education, the sexual revolution, and the articulation of a gay and lesbian identity
***Prerequisite: One HIST course or 30 credit hours ***

HIST 323 3:3-0
Crime and Punishment in Britain since 1500
Themes include the English justice system and the criminal underworld, the "bloody code" (eighteenth-century Britain's having more capital offences than any other European country), the rise of the prison, crime reporting, the popularity of genres like detective fiction, changing notions of responsibility for crime and the rise of forensic science.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 330 3:3-0
Women in Canadian History
HIST 330 explores the lives of women in Canada's past. We look at some of this country?s most famous women, including Pauline Johnson and Nellie McClung, but we also study the experiences of those who did not become famous, and in fact lived on the margins for most of their lives.
Prerequisite: One HIST course or completion of 30 credit hours

HIST 332 3:3-0
United States Foreign Relations in the Twentieth Century
This course emphasizes the emergence of the United States as a world power, and its growing military, economic, and cultural dominance in the course of the twentieth century. Of special concern are United States relations with Europe, Asia and the Middle East and its increasing hegemony in the Western Hemisphere.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 333 3:3-0
The History of Chicago, America's Second City
Examines urban development in one of America's most racially and ethnically diverse cities. This course analyzes Chicago history from its early-nineteenth century origins of cultural conflict and environmental achievements, to its turn-of-the-century growth as a site of progressive reform, to its more recent struggles with racial/ethnic divides and political corruption.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 334 3:3-0
Gender in Modern America
This course will examine the ways in which race, ethnicity, class, region, and sexuality have shaped ideas about gender and gender ideals in the United States since the Civil War, as well as how these beliefs changed over time and were contested throughout modern U.S. history.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 339 3:3-0
Many 9/11s?
This course examines various American historical events that bear striking resemblance to 9/11, despite the popular view that 9/11 stands alone. Additionally, it explores the gestations of popular reactions to the Indian Wars, Mexican-American War, Spanish-American-Cuban War, through to the Vietnam War, the Gulf War, and the War in Iraq.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 348 3:3-0
Imperialism in Latin America
This course investigates the several waves of imperialism that have swept the region, beginning with Christopher Columbus in 1492. It explores the various motivations for colonization, indigenous responses to the aggressions, and assesses the diverse effects of colonialism.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 352 3:3-0
Shanghai and Tokyo
Compares the complex social, economic, cultural and political changes in these Asian cities since the first era of contact with the West. Themes include the development of a "new" urban lifestyle built around a rapidly-expanding middle class, the growth of a politicized urban proletariat and new roles for women.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 356 3:3-0
Japanese Imperialism in China, Korea and Taiwan
This course explores processes of action and reaction in Japanese imperialism. Themes include: theoretical and historical motivations for imperial expansion, managing colonial societies, the economics of empire, the integration of settler communities, the culture of empire (particularly two-way culture flows), and the legacy of empire.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 367 3:3-0
Women in Medieval Europe
This course will explore the roles of women in European society, economy, culture and religion from the end of the Roman Empire to c.1400.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 368 3:3-0
The History of Popular Religion in the Middle Ages (300-1400)
This course will examine, from an historical perspective, the religious beliefs and practices of medieval Europeans. The emphasis will be on Christian beliefs, but those of other religions will be considered, too. Topics include: heresy; the fate of the dead; skepticism; saints; signs and miracles; good and evil spirits; holidays.
***Prerequisite: One HIST course or completion of 30 credit hours. ***

HIST 370 3:3-0
The European Reformations
An examination of the Protestant and Catholic Reformations of the sixteenth century and the conflicts they engendered from the perspectives of: religion, society, politics, culture, and gender.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 371 3:3-0
Early Modern Culture, Identity, Exchange and Conflict
This course explores the depth and breadth of cultural identities, exchanges and interactions in Europe in the sixteenth and seventeenth centuries. It will examine the role of religion, ethnicity, race and class in shaping early modern identities and informing cultural interactions during this period of violent upheaval and change.
Prerequisite: One HIST course or completion of 30 credit hours

HIST 373 3:3-0
The European Witch Hunts
Examination of the origins, development, and decline of the witch persecutions in Western Europe from 1400-1700. Students will learn how historians draw on fields such as feminist theory, psychology, sociology, and anthropology in order to understand the complexities of this topic.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 374 3:3-0
Revolution and Terror in France, 1789-1799
This course considers the origins, course and significance of the French Revolution of 1789-1799. Topics covered include: cultural and political origins; the pre-revolution; the events of 1789; the remaking of France; radicalization; the revolutionary wars; women and revolution; the Counterrevolution; the Terror; the Thermidorian Reaction and the Directory.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 376 3:3-0
Rising from the Ashes: Germany Since 1945
This course surveys the political, social and cultural history of post-war Germany, paying particular attention to the historiographical debates on the course and character of recent German history and the country's role in post-war Europe.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 378 3:3-0
The Third Reich
This course will examine the historiographical controversies concerning the social and political history of the Third Reich. Topics to be considered include the origins of National Socialism, Nazi ideology, the Holocaust, and German opposition to Hitler.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 381 3:3-0
European Military History
A study of European warfare from the Renaissance to the present. Particular attention is focused upon the interaction between war and economic, social, political, technological and cultural developments.
***Prerequisite: One HIST course or completion of 30 credit hours ***
*Note: Formerly numbered HIST 281. Students may not receive credit for both HIST 381 and HIST 281. *

HIST 382 3:3-0
Military History: The First World War
Focusing on the military history of the First World War, this course studies war plans, strategy and leadership, technology and tactics, civil-military and inter-allied relations, battles on land and sea, as well as the experience of war. Military events are considered in relation to broader economic, social, political and cultural developments.
Prerequisite: One History course or completion of 30 credit hours
Note: Formerly numbered HIST 282. Students may only receive credit for one of HIST 282, HIST 382 (if taken prior to 201110) or HIST 383

HIST 383 3:3-0
Military History: The Second World War
Focusing on the military history of the Second World War, this course studies war plans, strategy and leadership, technology and tactics, civil-military and inter-allied relations, battles on land and sea, as well as the experience of war. Military events are considered in relation to broader economic, social, political and cultural developments.
Prerequisite: One History course or completion of 30 credit hours
Note: Students may receive credit for only one of HIST 382 (if taken prior to 201110) or 383

HIST 390 1-6:6-0
Selected Topics - an AA-ZZ series.
Special topics in particular fields of History.
***Prerequisite: One HIST course or completion of 30 credit hours ***

HIST 400 3:3-0
Theories of History
This is a seminar course examining the variety of approaches to the study of history from 1900 to the present. Movements studied include Marxism, the Annales School, Feminist Theory, and Post-Modernism.
***Prerequisite: Two HIST courses at the 200- or 300- level or Completion of 60 credit hours or permssion of department head ***

HIST 403 3:3-0
Studies in Canadian Political History
An analysis of how prime ministers of Canada have envisioned the country, devised and implemented policies, and managed political affairs. Based on a comparative approach, the course is a study in power as it was exercised by such leaders as John Diefenbaker, Lester Pearson, Pierre Trudeau, and Brian Mulroney.
***Prerequisite: Two HIST courses at the 200- or 300- level or Completion of 60 credit hours or permssion of department head ***

HIST 405 3:3-0
Contemporary Quebec
An analysis of the puzzling, specific and distinct history of Quebec. By examining issues such as language, religion, economic development and politics with special attention to recent history, this course will delve into Quebecois uniqueness and its implications.
***Prerequisite: Two HIST courses at the 200- or 300- level or Completion of 60 credit hours or permssion of department head ***

HIST 406 3:3-0
Canada and World War I
On home front and battlefront, World War I transformed Canada. Social movements came to a crescendo and national identity was reshaped. The multi-faceted impact of the war is contextualized in the pre- and post-war periods using the analytical categories of ethnicity, class and gender.
***Prerequisite: Two HIST courses at the 200- or 300- level or Completion of 60 credit hours or permssion of department head ***
*Note: Formerly numbered HIST 306. Students may not receive credit for both HIST 406 and HIST 306. *

HIST 415 3:3-0
The Writing of History
The course aims to instil theoretical and methodological understanding of the discipline of history. While potentially of value for many students in liberal arts and pre-professional courses, it is especially relevant for history majors seeking to locate their specific interests in the wider context of the academic discipline. Such a course may well be regarded as a staple in a well-rounded history program.
***Prerequisite: Two HIST courses at the 200- or 300- level or Completion of 60 credit hours or permssion of department head ***

HIST 420 3:3-0
Doing Women's and Gender History
In this senior level course, students learn how to ?do? women?s and gender history. Through discussions about interpreting sources and disseminating historical knowledge, they acquire deep familiarity with women?s and gender historiography. As well, by applying advanced historical methods and sharing their findings, they themselves become practising historians.
Prerequisite: Two HIST courses at the 200- or 300- level or completion of 60 credit hours or permission of department head

HIST 422 3:3-0
From Wife Sales to Princess Di: Popular Culture since 1700
The course covers Britain and North America; theories of popular culture; traditional popular art forms and rituals, including ballads, rough music and wife-sales; the press and the invention of new forms such as cartoons, comic strips and celebrity culture; the history of shopping and consumption; the fragmentation of popular culture.
***Prerequisite: Two HIST courses at the 200- or 300- level or Completion of 60 credit hours or permssion of department head ***

HIST 432 3:3-0
Black Power in US History
Examines the roots of black power and considers its historical evolution in the United States throughout the twentieth century. This course demonstrates how black power, commonly thought to be distinct from the mainstream of civil rights activism, has always been a vital part of African American freedom struggles.
***Prerequisite: Two HIST courses at the 200- or 300-level or completion of 60 credit hours or permission of department head. ***

HIST 435 3:3-0
Frontier Hollywood, Myth and American History
This course explores the dynamic relationship between American film and the mythical American frontier. Myth and its cultural significance, Frederick Jackson Turner's Frontier Thesis, the history of American cinema, the role of myth in film, the genesis of the Western, and the nature of Manifest Destiny, will be examined.
***Prerequisite: Two HIST courses at the 200- or 300- level or Completion of 60 credit hours or permssion of department head ***
*Note: Formerly numbered HIST 335. Students may not receive credit for both HIST 435 and HIST 335. *

HIST 450 3:3-0
Modernity in Asia
This seminar introduces students to recent critical theories and explores the meaning of 'modernity' as reflected in the relationship between culture and society in 19th and 20th century Asian history. It does so by associating readings in social theory with academic and literary texts from or about the Asian region.
***Prerequisite: Two HIST courses at the 200- or 300- level or Completion of 60 credit hours or permssion of department head ***

HIST 460 3:3-0
Ancient History: Theory and Practice
The main focus is on the use of archaeology in the study of ancient history. Topics addressed include: domestication; human remains; the environment; beliefs; the spread of cultures; the ownership of antiquities; and, the use of technologies.
***Prerequisite: Two HIST courses at the 200- or 300- level or Completion of 60 credit hours or permssion of department head ***
*Note: Formerly numbered HIST 360. Students may not receive credit for both HIST 460 and HIST 360. *

HIST 464 3:3-0
Roman Social History
Themes in the history of Roman society and social institutions. Topics include childhood and family structure, health and diet, living conditions, recreation, and social attitudes.
***Prerequisite: Two HIST courses at the 200- or 300- level or Completion of 60 credit hours or permssion of department head ***
*Note: Formerly numbered HIST 364. Students may not receive credit for both HIST 464 and HIST 364. *

HIST 466 3:3-0
The Middle Ages in Film
This course critically examines films set in the Middle Ages in order to explore the issue of the value of cinematic representations of medieval history. Topics addressed include race and ethnicity, gender roles, epic heroism, faith, religion, and holiness, and war in films set in the Middle Ages.
***Prerequisite: Two HIST courses at the 200- or 300- level or Completion of 60 credit hours or permssion of department head ***

HIST 467 3:3-0
Marriage and Family in the Middle Ages
This course investigates the history of marriage and the family in medieval Europe. It covers such topics as: the development of Christian attitudes towards marriage; marriage practices; family structures and strategies; children and childhood.
***Prerequisite: Two HIST courses at the 200- or 300- level or Completion of 60 credit hours or permssion of department head ***

HIST 472 3:3-0
From Magic to Science: The Evolution of Early Modern European Thought
Between 1450 and 1700, the mental landscape of Europe changed dramatically. Magic and alchemy flourished in the Renaissance, but were abandoned by the time of the Scientific Revolution. This course will examine the many facets of this evolution and the impact it had on both scholarly and popular culture.
***Prerequisite: Two HIST courses at the 200- or 300- level or Completion of 60 credit hours or permssion of department head ***

HIST 474 3:3-0
War and Culture in Europe: World War I
This course examines the controversial idea of the Great War as a watershed in European cultural history and the different ways in which class, gender, nationality, politics, and the passage of time have conditioned the experience and memory of the war. Writers', artists', and historians' views are considered.
***Prerequisite: Two HIST courses at the 200- or 300- level or Completion of 60 credit hours or permssion of department head ***

HIST 478 3:3-0
The Berlin Seminar
This course focuses on aspects of Berlin's history during the nineteenth and twentieth centuries. Themes include: the effects of industrialization, the transformation of urban life during the Weimar Republic, the Third Reich, the division of the city after World War II, and changes following the collapse of the Wall.
***Prerequisite: Two HIST courses at the 200- or 300- level or Completion of 60 credit hours or permssion of department head ***

HIST 490 1-3:3-0
Selected Topics - an AA-ZZ series.
Special topics in particular fields of History.
***Prerequisite: Two HIST courses at the 200- or 300- level or Completion of 60 credit hours or permssion of department head ***

HIST 498 3:3-0
Honours Directed Studies
** Permission of the department head is required to register. **

HIST 499 3:3-0
Honours Directed Studies
** Permission of the department head is required to register. **

HS Health Studies

HS 200 3:3-0
Understanding Health and Illness
An exploration of the major theories and models of health and illness (biomedical, health promotion, population health). Problem-based seminar.
***Prerequisite: Completion of 15 credit hours. ***
*Note: Normally offered in fall term only. *

HS 300 3:3-0
Health in Canada
A political, economic and social history of health and health care in Canada. Problem-based seminar.
***Prerequisite: HS 200 with a minimum grade of 70. ***
*Note: Normally offered in winter term only. *

HS 301 3:3-0
Health Issues
An interdisciplinary examination of selected contemporary health issues. Problem-based seminar.
***Prerequisite: HS 200 ***
*Note: Normally offered in winter term only. *

HS 400 3:3-0
Health Studies Inquiry
Systematic inquiry into a selected health topic. Students will identify health issues, develop researchable questions, conduct research, and present findings.
Prerequisite: HS 300, One of STAT 100/160, SOST 201 or PSYC 305 and one of KIN 220, PSYC 204 or approved research methods course
Note: Normally offered in fall term only.

HS 448 3-15:15-0
Fieldwork
Students will be given the opportunity to apply their knowledge in a specific professional role related to their area of interest. The work experience will be undertaken by the student under supervision of a cooperating professional and the Fieldwork Coordinator.
***Prerequisite: Completion of 75 credit hours, including INHS 200, HS 300, KHS 300, and a minimum 60% PGPA. ***
** Permission of the Fieldwork Coordinator is required to register. **

HS 449 3:3-0
Health Field Experience Paper
Students must complete an assigned paper which will integrate academic learning with their work experience.
** Permission from the Fieldwork Coordinator is required to register. **

HS 450 0-6:6-0
Fieldwork Project
This course offers the senior health studies student with the opportunity to use their knowledge in skill in a professional setting. Further students will learn about professional environments through a program and service delivery lens. Seminar-based discussions will help students critically analyse their experiences, appreciate and examine various perspectives, and develop theoretical and practical ideas for their projects. ***Corequisite: HS 448**

HUM Humanities

HUM 201 3:3-0
Landmarks of Western Thought: Selected Topics - an AA-ZZ series.
An examination of the selection of ideas that have, from ancient times to the present, profoundly influenced the development of western culture. The examples selected will be drawn principally from the areas of philosophy, religion, literature, and the arts.
***Prerequisite: ENGL 100 ***

HUM 260 3:3-0
Utopian Literature, Thought, and Experiment
Study of utopian texts from ancient Golden Ages to modern science fictions. Questions to be asked include whether a much improved human society is possible, what might bring it about, and what are the obstacles? In addition to utopian theory, study of planning the "ideal city," study of the challenges of living in "international communities," and other applications will be considered.
***Prerequisite: ENGL 100 ***

IDS Interdisciplinary Studies

IDS 100 3:3-0
Interdisciplinary Studies: Historical Issues
This course will examine historical incidents as a way of exploring creative interactions of Western culture with other cultures. The course will emphasize the positive aspects of diversity and pluralism. The inquiry will be organized so that students are able to use multiple perspectives, and develop critical, discerning thought.

IDS 101 3:3-0
Interdisciplinary Studies: Contemporary Issues
This course will examine the technological developments of the twentieth century as an introduction to a study of important issues facing the contemporary world, with an emphasis on the role of technology in it and how ethics could inform it.
***Prerequisite: Completion of 9 credit hours ***

IDS 200 3-9:9-0
International Study Abroad, Selected Topics - an AA-ZZ series.
This course blends an interdisciplinary approach to the study of selected international communities. It employs the use of film, literature, monographs, and field trips to explore the culture and history of the selected destination. It combines class time on site with time spent in-class at the University of Regina.
***Prerequisite: Completion of 30 credit hours ***

IDS 290 3:3-0
Selected Topics - an AA - ZZ series
Courses designed as required for undergraduate students.
Prerequisite: Completion of 15 credit hours

ILP Intercultural Leadership Program

ILP 100 3:3-3
Introduction to Intercultural Leadership
An introductory seminar examining leadership theory and the skills required for future leaders to lead organizations and communities in the context of the changing demographics and emerging labour force in Saskatchewan. Students will assess their attitudes, biases, beliefs and current leadership skills and create a personal leadership development plan.
Note: Refer to the application process and selection criteria outlined at www.fnuniv.ca/

ILP 300 3:3-3
Intercultural Understanding
In this course, students explore the value of developing intercultural understanding in various contexts. Students will examine leadership in organizational and cultural contexts, and will examine their own culture intelligence and expand their capacity to understand other cultures.
Prerequisite: ILP 100.

ILP 301 3:3-0
Cultural and Leadership Camp
A four day off-campus residential experience in a First Nations community. Students will experience First Nations traditions, study effective principles and techniques of leadership, and will work to reach their full potential by engaging mind, body and spirit while working on their personal leadership development plan.
***Prerequisite: ILP 100 and completion of two approved electives ***

ILP 390 3:3-0
ILP Internship Seminar
The internship seminar provides students with the opportunity to demonstrate the ways in which their leadership is developing through their participation in their internship. Emphasis is on presentation skills.
***Corequisite: ILP 391 ***
* Permission of the Program Coordinator is required to register. *

ILP 391 3-9:3-0
Intercultural Leadership Program Internship
The ILP internship provides students with approximately 130 hours of paid or volunteer work experience at an organization. The internship is a 13-week placement and interns work on a designated project while host organizations receive help in completing projects and research. Interns work a minimum of 8-10 hours a week in addition to writing a final report that will be submitted to the Program Coordinator. ***Prerequisite: ILP 100, 300 and 400 *** *Corequisite: ILP 390* *Permission of the Program Coordinator is required to register.*

ILP 400 3:3-3
Leadership Capstone Course
This course will integrate theory and work experience in the preparation and delivery of a workship on leadership.
Prerequisite: ILP 100 and completion of 24 credit hours.

INA Indian Art

INA 100 3:0-0
Introduction to Indian Art
Contemporary and Traditional Indigenous art practices will be introduced with an emphasis on critical thinking. Indigenous practices will be contextualized alongside international and historical art, craft, criticism, and aesthetics. Discussions by artists and gallery visits will be included.
Note: Students may not receive credit for both INA 100 and ART 100

INA 210 3:3-0
Traditional Indian Art I
This course will explore the various traditional methods and media in Indian art with emphasis on the production of contemporary but traditional objects of Indian art and culture.

INA 220 3:3-0
Two-Dimensional Design in Indian Art
A studio course to develop awareness of the picture plane expressing traditional and contemporary themes.
Note: Students may not receive credit for both INA 220 and ART 220.

INA 221 3:0-4.5
Three-Dimensional Design in Indian Art
A studio course to develop the production of three-dimensional art, through exploration of traditional and contemporary Indian art.
Note: Students may not receive credit for ART 221 and INA 221 or INA 230.

INA 230 3:3-0
Three-Dimensional Design in Indian Art
A studio course to develop the production of three-dimensional art, through exploration of traditional and contemporary Indian art.

INA 290 0-6:0-0
Selected Topics in Indigenous Fine Arts
This series of courses is designated selected topics courses in Indian Art within the Department of Indigenous Languages, Arts, and Cultures.

INA 310 3:0-9
Traditional Indian Art II
A second course in the production of traditional Indian art forms.
***Prerequisite: INA 210 ***

INA 320 3:0-9
Two Dimensional Indian Art I
A second level two-dimensional course in Indian art. Assignments will emphasize styles and concepts related to art in the Indian community.
***Prerequisite: INA 220 or ART 220 ***

INA 330 3:0-9
Three Dimensional Indian Art I
A second-level course in the study of three-dimensional Indian art. Assignments will explore a contemporary interpretation of three-dimensional expressions in the Indian community.
***Prerequisite: INA 230 or ART 221 ***

INA 390 1-6:0-6
Directed Study - an AA-ZZ series.
Individual research in Indian art under the instruction of a faculty member of the student's choice.
***Prerequisite: Senior standing and qualifying scholarship record. ***

INA 391 1-6:0-6
Directed Study - an AA-ZZ series.
Individual research in Indian art under the instruction of a faculty member of the student's choice.
***Prerequisite: Senior standing and qualifying scholarship record. ***

INA 392 1-6:0-6
Directed Study - an AA-ZZ series.
Individual research in Indian art under the instruction of a faculty member of the student's choice.
***Prerequisite: Senior standing and qualifying scholarship record. ***

INA 393 1-6:0-6
Directed Study - an AA-ZZ series.
Individual research in Indian art under the instruction of a faculty member of the student's choice.
***Prerequisite: Senior standing and qualifying scholarship record. ***

INA 394 1-6:0-6
Directed Study - an AA-ZZ series.
Individual research in Indian art under the instruction of a faculty member of the student's choice.
***Prerequisite: Senior standing and qualifying scholarship record. ***

INA 395 1-6:0-6
Directed Study - an AA-ZZ series.
Individual research in Indian art under the instruction of a faculty member of the student's choice.
***Prerequisite: Senior standing and qualifying scholarship record. ***

INA 400 3:0-9
Graduating Exhibition
Students will participate in an exhibition at the end of the term in which they have completed all of the coursework for their degree.
***Prerequisite: Graduating year of BFA program. ***

INA 410 3:0-9
Traditional Indian Art III
Advanced studio explorations in the production of traditional Indian art.
***Prerequisite: INA 310 ***

INA 420 3:0-9
Two Dimensional Indian Art II
An advanced studio course exploring two-dimensional art making in the Indian community.
***Prerequisite: INA 320 ***

INA 430 3:0-9
Three-Dimensional Indian Art II
Advanced studio course exploring three-dimensional art in the Indian community.
***Prerequisite: INA 330 ***

INA 490 1-6:0-6
Directed Study - an AA-ZZ series.
Individual research in Indian art under the instruction of a faculty member of the student's choice.
***Prerequisite: Senior standing and qualifying scholarship record. ***

INA 491 1-6:0-6
Directed Study - an AA-ZZ series.
Individual research in Indian art under the instruction of a faculty member of the student's choice.
***Prerequisite: Senior standing and qualifying scholarship record. ***

INA 492 1-6:0-6
Directed Study - an AA-ZZ series.
Individual research in Indian art under the instruction of a faculty member of the student's choice.
***Prerequisite: Senior standing and qualifying scholarship record. ***

INA 493 1-6:0-6
Directed Study - an AA-ZZ series.
Individual research in Indian art under the instruction of a faculty member of the student's choice.
***Prerequisite: Senior standing and qualifying scholarship record. ***

INA 494 1-6:0-6
Directed Study - an AA-ZZ series.
Individual research in Indian art under the instruction of a faculty member of the student's choice.
***Prerequisite: Senior standing and qualifying scholarship record. ***

INA 495 1-6:0-6
Directed Study - an AA-ZZ series.
Individual research in Indian art under the instruction of a faculty member of the student's choice.
***Prerequisite: Senior standing and qualifying scholarship record. ***

INAH — Indian Art History

INAH 100 3:3-0
An Introductory Survey of North American Indian Art
A survey of North American Indian art from prehistory to the present. Analysis of styles in their historical context, development of the specialist's vocabulary.

INAH 200 3:3-0
Indian Art of the Andean Nations
A study of the art and architecture of the Andean Nations from prehistory to the present.
***Prerequisite: INAH 100 or ARTH 100 ***

INAH 202 3:3-0
Early Canadian Indian Art
A course investigating the change in Indian art styles and media as the result of European contact in Canada.
***Prerequisite: INAH 100 or ARTH 100 ***

INAH 204 3:3-0
Indian Art and the 20th Century
The course will examine twentieth-century Indian art. Politics, revolution, education, and economic issues of Canada, USA, and Mexico will be considered as affecting stylistic developments.
***Prerequisite: INAH 100 ***

INAH 300 3:3-0
Pre-Columbian Art in North America
The ancient arts and cultures of pre-Columbian North America.
***Prerequisite: Two 200-level INAH or ARTH courses ***

INAH 301 3:3-0
Art and the World Council of Indigenous Peoples
A study of the arts produced by the member nations of the World Council of Indigenous Peoples.
***Prerequisite: 200-level INAH or ARTH course or INDG 200 ***

INAH 390 1-6:3-0
Directed Studies - an AA-ZZ series.
Directed studies in the history of Indian art under the supervision of an instructor of the student's choice.
***Prerequisite: Senior standing and qualifying scholarship record. ***

INAH 391 1-6:3-0
Directed Studies - an AA-ZZ series.
Directed studies in the history of Indian art under the supervision of an instructor of the student's choice.
***Prerequisites: Senior standing and qualifying scholarship record. ***

INAH 392 1-6:3-0
Directed Studies - an AA-ZZ series.
Directed studies in the history of Indian art under the supervision of an instructor of the student's choice.
***Prerequisites: Senior standing and qualifying scholarship record. ***

INAH 393 1-6:3-0
Directed Studies - an AA-ZZ series.
Directed studies in the history of Indian art under the supervision of an instructor of the student's choice.
***Prerequisites: Senior standing and qualifying scholarship record. ***

INAH 394 1-6:3-0
Directed Studies - an AA-ZZ series.
Directed studies in the history of Indian art under the supervison of an instructor of the student's choice.
***Prerequisites: Senior standing and qualifying scholarship record. ***

INAH 395 1-6:3-0
Directed Studies - an AA-ZZ series.
Directed studies in the history of Indian art under the supervison of an instructor of the student's choice.
***Prerequisites: Senior standing and qualifying scholarship record. ***

INAH 401 3:3-0
Saskatchewan Indian Art
A reading and research course in the evolution of Indian art in Saskatchewan. Research will include museum and archival visits as well as interviews with elders.
***Prerequisite: 4th-year standing with a major in Indian Art History, Indian Studies or Art History. ***

INAH 490 1-6:3-0
Directed Studies - an AA-ZZ series.
Directed studies in the history of Indian Art under the supervision of an instructor of the student's choice.
***Prerequisite: Senior standing and qualifying scholarship record. ***

INAH 491 1-6:3-0
Directed Studies - an AA-ZZ series.
Directed studies in the history of Indian art under the supervision of an instructor of the student's choice.
***Prerequisite: Senior standing and qualifying scholarship record. ***

INAH 492 1-6:3-0
Directed Studies - an AA-ZZ series.
Directed studies in the history of Indian art under the supervision of an instructor of the student's choice.
***Prerequisite: Senior standing and qualifying scholarship record. ***

INAH 493 1-6:3-0
Directed Studies - an AA-ZZ series.
Directed studies in the history of Indian art under the supervision of an instructor of the student's choice.
***Prerequisite: Senior standing and qualifying scholarship record. ***

INAH 494 1-6:3-0
Directed Studies - an AA-ZZ series.
Directed studies in the history of Indian art under the supervision of an instructor of the student's choice.
***Prerequisite: Senior standing and qualifying scholarship record. ***

INAH 495 1-6:3-0
Directed Studies - an AA-ZZ series.
Directed studies in the history of Indian art under the supervision of an instructor of the student's choice.
***Prerequisite: Senior standing and qualifying scholarship record. ***

INCA Indian Communication Arts

INCA 200 6:0-0
Summer Institute in Indian/Native Communication Arts
This four week course will give INCA students an introduction to the techniques of journalism and an opportunity to work with professional Indian/native journalists. Students will be required to focus on either print or broadcast journalism.
***Prerequisite: Completion of at least 24 credit hours of INCA/pre-journalism course requirements. ***

INCA 283 3:3-0
History of Indian/Native Media in Canada
Students will review the role of communication in traditional societies, review and analyze the use of media in contemporary societies around the world, and attempt to redefine the role of communication media on Indian/native societies today.
***Prerequisite: INDG 100 and ILP 100 or permission of department head ***

INCA 284 3:3-0
Management, Marketing, and Advertising for Indian/Native Media
This course introduces the range of practical and cultural logistics of management, marketing, and advertising for Indian/native media outlets.
***Prerequisite: INDG 100 and INDG 101 ***

INCA 290 6:0-0
Indian Communication Arts Internship
The INCA internship gives students four months of intensive training in either print or broadcast media outlets.
***Prerequisite: Completion of at least 24 credit hours of INCA/pre-journalism course requirements. ***
*Note: Students must fill out the Workers' Compensation Agreement form prior to work placement. *

INCA 351 3:3-3
Radio Production
Experimental Course: In this course, students will learn theory and skills of storytelling and audio production to produce the elements of a radio program, including documenatry paks, talk tapes, interviews, soundscapes and voicers. Students will also learn how to combine these elements with music to crete radio broadcasts and podcasts.
Prerequisite: INCA 200

INDG Indigenous Studies

INDG 100 3:3-0
Introduction to Indigenous Studies
This course introduces the subject of Indigenous studies with a survey of Indigenous peoples in Canada from their origins, through European influence, and to the present.
*Note: INDG 100 and INDG 101 can be taken concurrently with permission of the department head. *

INDG 104 3:3-0
Introduction to Indigenous Higher Learning
This course utilizes a collection of writings designed to help First Nations students understand themselves through an Indigenous world-view in the context of university life. This course assists students in developing attitudes and aptitudes necessary for academic and future life success through principles of critical thinking and learning.
*Note: Students who have completed 30 credit hours or more may not take INDG 104 for credit unless they have prior written permission of their faculty or college. *

INDG 200 3:3-0
Introduction to International Indigenous Issues
This course is an introduction to current issues, developments, and concepts affecting Indigenous peoples.
***Prerequisite: INDG 100 or permission of department head ***

INDG 201 3:3-0
Introduction to Contemporary Indigenous Issues
This course is a survey of contemporary Indigenous issues , covering topics including self-government, political organizations, the land claims process, social and economic conditions, and Aboriginal identity.
***Prerequisite: INDG 100 or permission of department head ***
Note: Students may receive credit for only one of INST 101, INDG 101 or 201.

INDG 208 3:3-0
Cree Culture and History
This course surveys the culture and history of Cree societies, with special emphasis on Cree societies resident in Saskatchewan.
***Prerequisite: INDG 100 or permission of department head ***
*Note: The course includes a field trip or significant cultural event. *

INDG 210 3:3-0
Assiniboine Culture and History
This course surveys the culture and history of Assiniboine societies, with special emphasis on Assiniboine societies resident in Saskatchewan.
***Prerequisite: INDG 100 or permission of department head ***
*Note: The course includes a field trip or significant cultural event. *

INDG 215 3:3-0
Saulteaux Culture and History
This course surveys the culture and history of Plains Ojibway (Saulteaux) societies, with special emphasis on Saulteaux societies resident in Saskatchewan.
***Prerequisite: INDG 100 or permission of department head ***
*Note: The course includes a field trip or significant cultural event. *

INDG 216 3:3-0
Dene Culture and History
This course surveys the culture and history of Dene societies, with special emphasis on Dene societies resident in Saskatchewan and the Northwest Territories.
***Prerequisite: INDG 100 or permission of department head ***
*Note: The course includes a field trip or significant cultural event. *

INDG 218 3:3-0
Dakota Culture and History
This course surveys the culture and history of Dakota societies, with special emphasis on Dakota societies resident in Canada.
***Prerequisite: INDG 100 or permission of department head ***
*Note: The course includes a field trip or significant cultural event. *

INDG 219 3:3-0
Inuit Culture and History
This course surveys the culture and history of Inuit societies in Canada, their perceptions, developments, and interpretations.
***Prerequisite: INDG 100, or permission of department head ***
*Note: The course includes a field trip or significant cultural event. *

INDG 221 3:3-0
Metis Culture and History
This course surveys the historical development of the Metis as a distinct culture and society, their relations to Indian Nations, and their past and present roles in the evolution of Canadian society.
***Prerequisite: INDG 100 or permission of department head ***
*Note: The course includes a field trip or significant cultural event. *

INDG 222 3:3-0
Topics in Cultural Heritage - an AA-ZZ series.
This course surveys the culture and history of selected Indigenous societies, with emphasis on the Indigenous cultural heritage of Canada.
***Prerequisite: INDG 100 or permission of department head ***
*Note: The course includes a field trip or significant cultural event. *

INDG 224 3:3-0
Indigenous Political Systems of North America
This course examines the structures, processes, organizations, and dynamics of selected North American Indigenous political systems.
***Prerequisite: INDG 100 or permission of department head ***

INDG 225 3:3-0
Principles of Indigenous Law
This course examines the concept of aboriginal rights, as well as other special rights of aboriginal people, from both Indigenous and western legal perspectives.
***Prerequisite: INDG 100 or permission of department head ***

INDG 228 3:3-0
Indigenous History Within Canada: Eastern Canada
This course surveys the history of Indigenous/non-Indigenous relations in Eastern Canada from contact to the present, emphasizing the historical perspectives of specific Indigenous societies.
***Prerequisite: INDG 100 or permission of department head ***

INDG 229 3:3-0
Indigenous History Within Canada: Western Canada
This course surveys the history of Indigenous/non-Indigenous relations in Western Canada from contact to the present, emphasizing the historical perspectives of specific Indigenous societies.
***Prerequisite: INDG 100 or permission of department head ***

INDG 230 3:3-0
Indigenous Histories Within the United States
This course surveys the histories of selected Indigenous groups in their experience being engulfed by the creation of the United States. This will be done by examining policy development and implementation and the experience of Indigenous peoples in their resistance and perseverance.
Prerequesite: INDG 228 or INDG 229 or permission of the department head
*Note: The course includes a field trip. *

INDG 232 3:3-0
Indigenous Systems of Religion and Philosophy
This course will examine the systemic nature and concepts of Indigenous religious and philosophical belief, thought, and practice. The holism of Indigenous perspectives will be demonstrated.
***Prerequisite: INDG 100 or permission of department head ***

INDG 234 3:3-0
Ethnology of North American Indians
This course is an investigation of the cultural and social systems of the culture areas of North America. Attention to ecological adaptation, social organization, value systems and integration of cultures will be combined with a focus on ethnological problems and anthropological methods.
***Prerequisite: INDG 100, or permission of department head ***
*Note: ANTH 100 recommended. *

INDG 236 3:3-0
Indigenous Economic, Environmental, and Geographic Systems
This course will examine the interrelationships of Indigenous economies, environments, and geographies. The holism of Indigenous perspectives will be demonstrated.
***Prerequisite: INDG 100, or permission of department head ***

INDG 238 3:3-0
Systems of Indigenous Identity, Culture and Society
This course will examine concepts central to Indigenous identity, including those categorized as cultural, social, and psychological. The holism of Indigenous perspectives will be demonstrated.
***Prerequisite: INDG 100 or permission of department head ***

INDG 258 3:3-0
Gender Issues and Indigenous Societies
This course examines the concepts of gender both within and among Indigenous societies. The holism of Indigenous perspectives will be demonstrated.
***Prerequisite: INDG 100 or permission of department head ***

INDG 260 3:3-0
History of Residential Schools in Canada
This course will provide a historical look at the rationale, ideology, operations and deficiencies of the Indian Residential School system of Canada including underfunding, physical and spiritual abuse, and student mortality. ***Prerequisite: INDG 100 or permission of the department head***

INDG 262 3:3-0
Reconciliation and Indigenous Resurgence in Canada
This course explores different perspectives and policies towards renewing the relationship between Indigenous Peoples and Settler Canada. Students will consider how the implementation of the Truth and Reconciliation calls to action may guide reconciliation and Indigenous resurgence in Canada.
Prerequisite: INDG 100 or permission of the department head

INDG 270 3:3-0
Introduction to Museums and First Peoples
This web-based course introduces the history and the role of museums and examines museum practices concerning First Peoples at the Canadian Museum of Civilization.
***Prerequisite: INDG 100, or permission of department head ***

INDG 280 3:3-0
Research Issues in Indigenous Studies
This course examines the dynamics of research in Indigenous studies, including ethics, sensitivities, protocols, and priorities. This course will survey the history of research in Indigenous studies.
***Prerequisite: INDG 100 or permission of department head ***

INDG 281 3:3-0
Methods and Theory in Documenting Oral Traditions
This course introduces methods and theory in the documentation of oral traditions and texts specifically focused on Indigenous contexts.
***Prerequisite: INDG 100 or permission of department head ***

INDG 282 3:3-0
Methods in Indigenous Community-Based Research
This course will provide the basic methods in applied research involving Indigenous people and their communities.
***Prerequisite: INDG 100 or permission of department head ***

INDG 290 3:3-0
Topics in Indigenous Studies
This topics course series will address important and developing issues in Indigenous studies. Topics to be announced.
Prerequisites: INDG 100 or permission of the department head of Indigenous Languages, Arts and Cultures.

INDG 300 3:3-0
Indigenous Peoples and Development Change in Latin America
This course is an introduction to problems of development and development change affecting Indigenous peoples of Latin America through comparative analysis and case studies.
***Prerequisite: INDG 200 or permission of department head ***

INDG 301 3:3-0
Contemporary Indigenous Issues in Canada
This course examines issues confronting contemporary aboriginal societies, comparing and contrasting the present concerns and aspirations of aboriginal people in Canada.
***Prerequisite: Any 200-level course in Indigenous Studies or permission of department head ***

INDG 305 3:3-0
Urbanization and the Indigenous Peoples
This course examines the increasing migration of Canadian Indigenous peoples to urban centres and their changing socio-economic conditions. Includes examination of government policy affecting off-reserve Indians, and urban Indian agents for change.
***Prerequisite: Any 200-level course in Indigenous Studies or permission of department head ***

INDG 320 3:3-0
Exchange Relations in Indigenous Societies
This course is an examination of pre-contact and post- contact trade relations of Indigenous peoples of Canada.
***Prerequisite: INDG 228 or INDG 229 or permission of department head ***

INDG 324 3:3-0
Politics and the Indigenous Peoples of Canada
This course will survey the recent national political situation of Canadian Indians, Canadian Indian organizations and associations, major political issues, and future directions.
***Prerequisite: INDG 224 or permission of department head ***

INDG 325 3:3-0
The Indian Act
This course will study and analyze the Indian Act(s) through lectures, seminars, and case studies, including its historical, legislative, and legal background, its effect upon Indigenous societies, and its future role.
***Prerequisite: INDG 224 or INDG 225 or permission of department head ***

INDG 332 3:3-0
Indigenous Religions and Philosophy
This course is an analytical investigation of the traditional world views, philosophies and religions of the Indigenous people of North America, including the narratives of Elders, creation stories, the Trickster, syncretism, ritual studies, dreams, reincarnation and environmental ethics. The holism of Indigenous perspectives will be demonstrated.
***Prerequisite: INDG 232 or permission of department head ***

INDG 334 3:3-0
History of the Study of Indigenous Peoples as the "Other"
This course contextualizes the extensive literatures produced by scientists and humanists as a result of the study of Indigenous peoples. This course will cover the objective, subjective, reflexive, and representative aspects of Indigenous cultures and societies, approached through sociological knowledge and history of ideas.
***Prerequisite: INDG 100 and 101 or permission of department head. INDG 234 is recommended. ***

INDG 338 3:3-0
Reserves - Their History and Development
This course in a descriptive and analytical study of Indian reserves focusing on the social and political economy of the Indigenous peoples prior to and after European arrival, and the invention and implementation of the reserve as a structure of social control in government policy.
***Prerequisite: INDG 228 or INDG 229 or permission of department head ***

INDG 340 3:3-0
Indian Reserve Economic Planning
This course will examine economic development theory and planning processes, including human resource development, as they apply to the Indian reserve economy. The methods of conducting community economic base studies and preparing economic development plans will be examined. Critical evaluation of case studies of community economic development will be used to develop analytical skills.
***Prerequisite: INDG 236 and INDG 282, or permission of department head ***

INDG 358 3:3-0
The Roles of Women in Indigenous Societies
This course is an analytical investigation of the traditional and contemporary roles of Indigenous women in Indigenous societies, including legal status, social systems, political constituency, and spiritual power.
***Prerequisite: INDG 258 or permission of department head ***

INDG 360 3:3-0
Indigenous Economic Geography
This course is a study of Indigenous socio-economic characteristics and management of community resources.
***Prerequisite: INDG 236 or permission of department head ***

INDG 372 3:3-0
Canadian Land Claims Settlement Processes
This course explores the history and development processes of land claims in Canada resulting from efforts subsequent to the Calder decision and the announced policies of comprehensive and specific claims to contemporary developments, including the Nisg'a Final Agreement, the Delgamuukw decision, the Treaty Land Entitlement frameworks in place and the Indian Claims Commission.
***Prerequisite: INDG 100 and INDG 101, INDG 228 and 229 are recommended. ***

INDG 380 3:3-0
Research Methods in Indigenous Studies
This course is a survey of various research methods compatible with the goals of Indigenous studies research agendas. The course will include a sampling of various kinds of applied and pure research accomplishments.
***Prerequisite: INDG 280, INDG 281, or INDG 282 or permission of department head ***

INDG 390 1-3:3-0
Directed Reading and Research - an AA-ZZ series.
Courses designed for individual students.
** Permission of the department head is required to register. **

INDG 395 3-6:6-0
International Indigenous Field Studies - an AA-ZZ series
This course series exposes students to International Indigenous issues through an approx. two week summer study abroad experience. Topics may include Indigenous cultures and histories, political struggles and economies.
***Prerequisite: INDG 100 and INDG 200. ***

INDG 400 3:3-0
Indigenous Peoples Under International Law
This course is a comparative political analysis of the major features in the development and application of international law as it pertains to Indigenous peoples. It focuses on the nature and evolution of the international Indigenous movement as well as the issues, ideas and limitations of using international law.
***Prerequisite: INDG 300 or permission of department head ***

INDG 410 3:3-0
Ethnic Identity Theory and Indigenous Studies
This course will examine ethnic identity theories in the social sciences and their application to the study of Indigenous societies.
***Prerequisite: INDG 238 and any 300-level course in Indigenous Studies or permission of department head ***

INDG 421 3:3-0
Issues in Self-Determination
This course explores models for self-determination, including economic development, land claims and other issues.
***Prerequisite: INDG 224 and any 300-level course in Indigenous Studies, or permission of department head ***

INDG 424 3:3-0
The Principles of Indigenous Governance
This course analyzes the principles, structures, and development of Indian governments in Saskatchewan and Canada, emphasizing emerging models.
***Prerequisite: INDG 324 or permission of department head ***

INDG 428 3:3-0
Ethnohistory: Theory and Method in the Study of Peoples of the Americas
In this course, ethnohistory, an important methodological orientation within Indigenous studies, is examined by specific studies to discern applications of developing thought and practice.
***Prerequisite: INDG 228 and INDG 229 or permission of department head. INDG 230 is recommended. ***

INDG 430 3:3-0
Aboriginal Peoples and the Canadian Constitution
This course examines the key struggle to entrench the rights of aboriginal peoples in the Canadian Constitution, changes in the Indian Act over time, and the processes of constitutional negotiations with federal and provincial governments.
***Prerequisite: INDG 301 and INDG 324, or permission of department head ***

INDG 432 3:3-0
North American Indigenous Religious Philosophies
This course analyzes traditional Indigenous religious systems of thought, practice, and beliefs, and the impact of these philosophies on contemporary Indigenous ideas.
***Prerequisite: INDG 232 and any 300-level course in Indigenous Studies or permission of department head ***

INDG 440 3:3-0
Strategies for Indigenous Economic Development
This course examines key issues and strategies in Indigenous economic development.
***Prerequisite: INDG 340 or permission of department head ***

INDG 480 3:3-0
Indigenous Studies Field Research Practicum
This course is an applied field research project from design to final report stages, to be carried out under the supervision of the Department of Indigenous Studies.
***Prerequisite: INDG 380 or permission of department head ***
*Note: Students must fill out the Workers' Compensation Agreement form prior to work placement. *

INDG 490 3:3-0
Honours Seminar
This seminar will meet to guide students in their Honours proposal preparation and research.
***Prerequisite: INDG 380 ***
** Permission of the department head is required to register. *

INDG 491 1-3:3-0
Honours Thesis
This course provides supervision of the writing and completion of the Honours thesis and its defense.
***Prerequisite: INDG 490 ***
** Permission of the department head is required to register. **

INDG 492 3:3-0
Directed Readings
Courses designed for senior undergraduate students.
** Permission of the department head is required to register. **

INDG 493 1-3:3-0
Directed Readings and Research
Courses designed for senior undergraduate students.
** Permission of the department head is required to register. **

INDG 496 1-3:3-0
Selected Topics in Indigenous Studies - an AA-ZZ series.
This course is a study of the various story-telling traditions of Indigenous groups.
** Permission of the department head is required to register. **

INDL	Indigenous Languages

INDL 100 3:3-0
Elementary Indigenous Language 1 – an AA-ZZ series
Basic oral expression, grammar, and practice in an indigenous language. No prior knowledge of the language is assumed.

INDL 101 3:3-0
Elementary Indigenous Language 2 – an AA-ZZ series
Continuation of basic oral expression, grammar, and practice in the same indigenous language.
Prerequisite: INDL 100AA-ZZ

INDL 206 3:3-0
Indigenous Language Linguistics an AA-ZZ series
Linguistic concepts of a specific indigenous language. Application to language teaching.
Prerequisite: INDL 101AA-ZZ

INDL 240 3:3-0
Indigenous Literatures in Translation
A study of representative samples of the traditional literature of a specific indigenous group conducted in English. Topics will be discussed in terms of their relationship to the specific cultural tradition, and will include culturally appropriate genres such as sacred stories or legends, ordinary stories, tall tales, wordplay, etc.
Prerequisite: ENGL 100 or INDG 100, or permission of the department head of Indigenous Languages, Arts and Cultures.

INDL 241 3:3-0
Cree Literature in Translation
Representative examples of Cree literature from different parts of Canada will be read in translation. Both atayohkewinan (sacred stories, legends) and acimowinan (ordinary stories) will be discussed in terms of their relationship to Saulteaux culture as a whole.
Prerequisite: ENGL 100 and INDG 100 or permission of the department head of Indigenous Languages, Arts, and Cultures
Note: Students may only receive credit for one of HUM 250 or INDL 241.

INDL 242 3:3-0
Saulteaux Literature in Translation
Representative examples of Cree literature from different parts of Canada will be read in translation. Both atayohkewinan (sacred stories, legends) and acimowinan (ordinary stories) will be discussed in terms of their relationship to Saulteaux culture as a whole.
Prerequisite: ENGL 100 and INDG 100 or permission of the department head of Indigenous Languages, Arts, and Cultures
Note: Students may only receive credit for one of HUM 251 or INDL 242.

INHS	Indian Health Studies

INHS 100 3:3-0
Introduction to Indigenous Health Studies I
Introduction to health science emphasizing Indigenous perspectives. Topics: history of health and health care, theories of health, personal health, consumerism, interpreting health information and statistics, health careers.

INHS 101 3:3-0
Introduction to Indigenous Health Studies II
Introduction to health science emphasizing Indigenous perspectives. Topics: organization of health services, mental health, nutrition, fitness, sexuality, human relationships, substance abuse, communicable and chronic disease, aging, environmental health, ethical issues.
***Prerequisite: INHS 100 ***

INHS 200 3:3-0
Traditional Indigenous Health Concepts
Traditional health concepts of aboriginal peoples, emphasizing the aboriginal peoples of North America. The history, evolution, and relevance of traditional beliefs to contemporary health care and health issues are explored.
***Prerequisite: INHS 100 and 101 or two INDG courses ***

INHS 210 3:3-0
Contemporary Issues in Indigenous Health
An in-depth examination of contemporary issues in Indigenous health including community planning, major health issues, government policy, Indigenous control of health care, human resource development, and alternative models of delivery.
***Prerequisite: INHS 100 and INHS 101 ***

INHS 250 3:3-0
Indigenous Language Concepts of Health
This course explores how Indigenous worldviews and concepts of health, illness, and well being are embedded within Indigenous languages. It will focus on theory that outlines connections between language, culture, and health. Words, terms and phrases in Indigenous languages will be utilized to further understand the connections between health and language.
Prerequisite: INHS 210

INHS 300 3:3-0
Community-Based Indigenous Health Research Methods
This course will focus on basic community-based health research methods involving Indigenous populations in Canada. It will examine the dynamics of conducting applied health research in culturally appropriate ways including special attention to ethics, sensitivities, protocols, and health priorities. Western approaches and research paradigms to research will be analyzed as well as an overview of the importance of research by, with and for Indigenous communities. There will be an opportunity to understand practical applications of community-based research methods presented in the course.
***Prerequisite: INHS 100, INHS 101, and INHS 210 ***

INHS 350 3:3-0
Applications of Indigenous Concepts of Health
This course applies Indigenous concepts of health and well being through engaged learning in the community. It focuses on connecting theory learned in the classroom to practical situations in the health field. Students will consider various models of health, policies, and programs through practical examination and reflection of their experiences, and through a focus on reciprocity, indigenizing institutions, and social justice.
Prerequisite: INHS 300

INHS 360 3:6-0
Community Placement Practicum
Students will be given the opportunity to apply their knowledge by undertaking a community placement in an Indigenous community or agency to be agreed upon between the student and community placement coordinator. The community placement will be undertaken by the student under supervision of a mentor/host professional (Indigenous community or agency) and the community placement coordinator. The placement is a minimum of 12 weeks full time. This component is Pass/Fail, and must be taken concurrently with INHS 365 (Community Placement Seminar).
Prerequisite: completion of 9.0 credit hours of required INHS courses; a minimum 65% PGPA
Co-requisite: INHS 365
Note: INHS 365 and INHS 360 must be taken concurrently

INHS 365 3:3-0
Community Placement Seminar
This course provides the student with the opportunity to use their knowledge in skill in a professional setting. Further, students will learn about Indigenous community-based health service environments. Seminar-based discussions will help students critically analyse their experiences, appreciate and examine various perspectives, and understand community/agency health processes.
Co-requisite: INHS 360
Note: INHS 360 and INHS 365 must be taken concurrently

INHS 450 3:3-0
Community Based Traditional Health Practices
This course focuses on exposure to traditional health teachings and practices within community settings, and engages students in experiential learning and reflection. Students will be guided and challenged to respectfully explore and support these practices, while maintaining the integrity of their own beliefs. The course will involve preparation, participation in a cultural camp and follow-up studies.
Prerequisite: INHS 350

INSW Indigenous Social Work

INSW 200 3:3-0
Introduction to Indigenous Social Work
This course provides an overview of both First Nations and western social work models, historical development, and current practice issues. Students are introduced to a critical analysis of the social work profession, and exposed to a range of social work theories and models.

INSW 321 3:3-0
Human Growth and Development from Traditional Teachings
Elders and others share knowledge of human development from conception to death and beyond from a traditional perspective. This course considers biological, psychological, social and cultural factors of development. Emphasis is placed on individuals continuing to strive for balance personally and professionally.
Prerequisite: INSW 200. Concurrent enrolment is allowed

INSW 346 3:3-0
Indigenous Social Work Practice I
This course examines the theories, methods and skills related to Indigenous social work with individuals, families, groups and communities. A history of traditional helping systems is examined. Culturally supportive skills are practiced. Students will be preparing for the first practicum, INSW 448.
Must be accepted into the SISW.

INSW 351 3:3-0
Human Relations from First Nations' Perspectives
This course, taught by a traditional person, introduces students to philosophies and practices of human relations from a First Nations world-view. Students examine principles and dynamics of self-awareness, personal development, and interpersonal relationships within human relationships and with the environment.
Prerequisite: INSW 200. Concurrent enrolment is allowed

INSW 352 9:3-0
Cultural Camp
Cultural Camp is a six-week class, ten days of which are spent at a traditional camp setting. Co-taught by traditional Elders, this course is intended to provide students with an opportunity to learn about First Nations values, philosophies, spirituality, and ceremonies.
Must be accepted into the SISW

INSW 377 3:3-0
Introduction to Traditional Self-Healing
This course, taught by a traditional person, assists students in self-healing following First Nations teachings. This course uses the sacred circle to discuss personal issues. There is a concentration on traditional principles, protocols, philosophies of traditional healing, and ceremonies.
Prerequisite: INSW 200. Concurrent enrolment is allowed.

INSW 390 3:3-0
Communication Skills in Indigenous Social Work Practice
This course will provide students with an introduction to skills and theories for personal and professional communication, both within First Nations and mainstream contexts. Active listening, assertiveness, interviewing, and public speaking will be practiced throughout the class.
Prerequisite: INSW 200

INSW 402 3:3-0
Indigenous Social Work Practice and Human Sexuality
Indigenous social work explores human sexuality at a personal, community, and national level. Through connecting the personal to the political, the course will address issues of sexual abuse and healing, and sexual violence and the sex trade.
Must be accepted into the SISW

INSW 403 3:3-0
Indigenous Perspectives on Death, Dying, Loss and Grief
A traditional First Nations' perspective regarding death, dying, and loss is examined. Death as a part of the cycle of life, terminal illness and grieving will be explored. Traditional practices and perspectives are discussed reflecting on the role of the social worker in this context.
Prerequisite: INSW 200

INSW 411 3:3-0
Indigenous Social Work with Victims of Abuse
Theories of abuse, power and control, and victimization are examined with a particular focus on the historical abuses imposed on the First Nations of Canada. Legislative protections are reviewed. Understanding the process of healing from abuse is a primary objective emphasizing traditional approaches to balance and harmony.
Prerequisite: INSW 200

INSW 414 3:3-0
Indigenous Perspective on First Nations Children's Services
This course examines the history of child welfare focusing on jurisdictional issues, fundamental agreements, and programming. Traditional principles, values, and philosophies for children are discussed in relationship to family systems, kinship care, and service delivery systems.
Prerequisite: INSW 200

INSW 416 3:3-0
Indigenous Perspective on Ageing
This course reviews stages of life from a First Nations' perspective focusing on how these relate to the needs, supports, and services of the elderly. A focus on the role of traditional Elders will be explored. There is an emphasis on social work skills required when working with ageing individuals.
Prerequisite: INSW 200

INSW 417 3:3-0
Addictions in First Nations Practice
This class will examine addictions from the perspective of oppression and racism being major contributors. Healing, using traditional approaches balanced with Western methodology, will be a primary focus.
Prerequisite: INSW 200

INSW 425 3:3-0
Group Work in First Nations' Practice
Traditional and western theories of groups will be explored with a focus on group dynamics in various settings. Traditional teachings, learning, and healing circles will be incorporated. The course provides preliminary skills for working with groups regarding problem solving, decision-making, power issues, conflict resolution, and consensus.
Prerequisite: INSW 200

INSW 437 3:3-0
Indigenous Social Work with Families
This course will focus on colonization and the breakdown of traditional family systems. There will be an emphasis on the healing of First Nations family systems utilizing traditional principles and philosophies.
Prerequisite: INSW 200

INSW 440 3:3-0
Indigenous Social Work Counselling Theories and Applications
This course examines counseling theories, models, and therapeutic techniques relevant to Indigenous people and communities. Indigenous healing methodologies will be emphasized and other strength based methodologies are included.
Prerequisite: INSW 200

INSW 447 3:3-0
Indigenous Social Work Practice II
This course focuses on examining and practicing skills that enhance the helping relationship through First Nations and congruent western counseling methods. Traditional values, principles and ethics are re-examined to support the development of a personal philosophy of being a helper. Students will be preparing for the 2nd practicum INSW 458.
Prerequisite: INSW 200, INSW 346 and INSW 448
Must be accepted into the SISW.

INSW 448 15:3-0
Indigenous Social Work Practicum I
This course provides the opportunity to do a practicum in First Nation organizations, on reserves and/or incorporating First Nations perspectives into social work practice. The practicum seminar assists students in the integration of theory and practice through sharing of experiences and knowledge.
Prerequisite: INSW 346
Must be accepted into the SISW.

INSW 450 3:3-0
Indigenous Perspective on Community Development
The focus of this course is on the well-being of Indigenous communities. Models of community development that are holistic and sustainable and that include understanding governance, land and resources, culture, and health will be examined. Ethical practice for social workers involved in community development and research approaches are included.
Prerequisite: INSW 200

INSW 451 3:3-0
Indigenous Approach to Social Work Research
This course focuses on an understanding of Indigenous worldviews and knowledge and how these inform Indigenous research methodologies. The history and current experiences and examples of research in Indigenous communities will be explored. Indigenous research methodologies and ethical principles of research in Indigenous communities are included.
Prerequisite: INSW 448
Must be accepted into the SISW.

INSW 458 15:3-0
Indigenous Social Work Practicum II
The purpose of this class will be to increase students' ability and skill in areas of social work intervention through practice. Emphasis is on initiation, consultation, development and implementation using social work skills. A clearer awareness and ability to integrate First Nations' approaches into social work is expected.
Prerequisite: INSW 447
Must be accepted into the SISW.

INSW 469 3:3-0
Indigenous Perspective on Social Policy
Students will have a better understanding of Canadian context of social policy, and how First Nations communities both impact and are impacted by this broader context. The role social workers can play to influence social policy development, to enhance self-determination, and other First Nations' agendas will be explored.
Must be accepted into the SISW.

INSW 478 3:3-0
Traditional Counseling
This course provides an overview of traditional counseling and explores how First Nations counseling methods can enhance social work practice. This course is taught by a clinician and an Elder.
Must be accepted into the SISW.

INSW 482 3:3-0
Indigenous Perspectives on International Social Work
Students will explore the international context of social work, human rights and 'development' with emphasis given to the experiences of other Indigenous peoples. Roles of social workers within the broader context of globalization, international trade, the United Nations, non-government organizations, and social movements will be explored.
Prerequisite: INSW 200
Must be accepted into the SISW.

INSW 485 3:3-0
Selected Topics in Research - an AA-ZZ series.
Individual or group practice in developing viable research proposals, analyzing specific problems in social work, and carrying through library and/or field research projects.
Must be accepted into the SISW.

INSW 495 1-3:3-0
Individual and Group Inquiries - an AA-ZZ series
Tutorials, directed readings, "learning contracts", and other agreements stipulating specified objectives negotiated between an instructor and individual students or groups of students.
Must be accepted into the SISW.

IS International Studies

IS 100 3:3-0
Introduction to International Studies
This interdisciplinary course introduces students to a range of global issues, including the basics of world geography, history, political and economic systems, and culture. The strong cross-cultural perspective of the course provides students with the necessary foundation to specialize in their own area of interest within the international studies program.
*Note: Formerly numbered INTL 100. Students may receive credit for one of INTL 100 or IS 100. *

IS 200 3:3-0
Feeding the World and Cooling the Planet
Who decides who eats? Who decides what food is produced? Is the dominant food production model 'efficient'? This course examines the root causes of hunger and recurring global food crises, analyzes how being 'stuffed' or 'starved' is connected, and explores how food sovereignty helps 'feed the world and cool the planet'.
Prerequisites: IS 100 or 15 credit hours

IS 210 3:3-0
Introduction to Asian Studies
Asian studies will be introduced with respect to a variety of countries and the following themes: Orientalism; Imperialism/Colonialism; Neo-liberalism and Globalization; Tradition versus Modernity; Agriculture; Population; Resources and Environment; Religion; Political System and Visual Culture.
***Prerequisite: Completion of 15 credit hours. *** *Note: Formerly numbered ASIA 200. Students may receive credit for one of ASIA 200 or IS 210.

IS 220 3:3-0
International Development and Poverty
This is an introduction to international development. Mainstream development is geared to 'attacking poverty' through various models of development: modernization, industrialization and urbanization, globalization, and good governance. Alternative models of development argue that these actually spread inequality and impoverishment. Can development be done right? Does development have a future?
***Prerequisites: IS 100 ***

IS 230 3:3-0
Introduction to European Studies
An interdisciplinary introduction to the principal historic and emerging contemporary features of Europe. The course will explore the defining yet very diverse characteristics of social, intellectual, political, economic and cultural life and will examine the motivation for and impact of integration on European Union member states.
***Prerequisite: Completion of 15 credit hours. *** *Note: Formerly numbered ES 200. Students may receive credit for one of ES 200 or IS 230. *

IS 240 3:3-0
Contemporary Issues in International Affairs
This course examines selected global issues through a problem-based learning approach. Students will work in teams to simulate global conferences on selected transnational issues such as United Nations reform, international justice, conflict resolution, terror and security, or the environment.
Prerequisites: IS 100

IS 300 3:3-0
Globalization: Its Dynamics and Consequences
The course focuses on the driving forces and consequences of globalization. First, it seeks to bring clarity to the idea of globalization by engaging with major arguments. Second, it analyzes the distinct processes of globalization. Third, it explores how globalizing dynamics are linked to the local, national and regional transformations.
Prerequisite: IS 100 (formerly INTL 100) or 30 credit hours
Note: Formerly numbered INTL 300. Students may receive credit for one of INTL 300 or IS 300.

IS 301 3:3-0
Global Governance: International Organizations
The course studies the role of international organizations in contemporary global governance. It examines the functions of global and regional organizations in major issue areas, including peace and security, international economic relations, development, human rights and the environment. It investigates the effectiveness, legitimacy and accountability of the exiting system of global governance.
Prerequisite: IS 100 (formerly INTL 100) or 30 credit hours
Note: this course is cross-listed with PSCI 342. Students may receive credit for only one of IS 301 or PSCI 342.

IS 302 3:3-0
Non-Governmenal Organizations Crossing Borders
Do non-governmental organizations make a difference? How do they interact with and alter the international state system? This course examines the activities and influence of transnational non-governmental organizations such as global struggles against colonialism and slavery; and campaigns for human rights, women's rights, indigenous rights and banning land mines.
Prerequisite: IS 100 (formerly INTL 100) or 30 credit hours

IS 303 3:3-0
Social Movements and Alternatives to Global Capital
What are social movements? What alternatives do they propose? What are the links between land takeovers in Brazil, anti-dam protests in India, resistance to mining and transnational movements? Can social movements make a difference? This course explores the power of collective action by examining how social movements challenge mainstream development.
Prerequisite: IS 100 (formerly INTL 100) or 30 credit hours
Note: Formerly numbered IS 320. Students may receive credit for only one of IS 303 or IS 320

IS 310 3-6:6-0
Selected Topics: Hands on Asia - an AA-ZZ series
Field courses organized around specific Asian themes to be taught in an Asian country (or countries).

IS 390 3:3-0
Selected Topics in International Studies - and AA-ZZ series
Current interest and occasional offerings that are relevant to international studies. ***Prerequisite: IS 100 (formerly INTL 100) or 30 credit hours***

IS 391 3-15:15-0
Internships in International Studies
Internships that will contribute to students' learning and experience in the area of International Studies.
***Prerequisite: Permission of the Coordinator of the International Studies Program ***

IS 400 3:3-0
Capstone International Studies Seminar
This interdisciplinary seminar will examine key selected international contemporary issues that integrate area studies or international relations concentrations, from the perspective of globalization and its link to human development. The seminar will put emphasis on the development and presentation of an integrative paper by each participant with critiques from each other being a key component.
Prerequisite: One of IS 300 (formerly INTL 300), 301, 302 or 303 and 60 credit hours, or permission of the department head
Note: Formerly numbered INTL 400. Students may receive credit for one of INTL 400 or IS 400

IS 410 3:3-0
Advanced Topics in Asian Studies
This seminar course examines political, historical, economic and cultural developments throughout Asia from a transnational and interdisciplinary perspective. Students will discuss and carry out research integrating insights from Asian studies, as well as considering Asian interactions with the rest of the world. ***Prerequisite: IS 210 (formerly ASIA 200) and 60 credit hours, or permission of the department head***
Note: Formerly numbered ASIA 400. Students may receive credit for only one of ASIA 400 or IS 410

IS 420 3:3-0
Advanced Topics in International Development
This seminar course examines critical perspectives of international development. Topics include, among others, strategies to alleviate poverty, population growth and scarcity, urbanization, land rights, microfinance, displacement and development refugees, environmental sustainability, and the role of civil society in development.
Prerequisite: IS 220 and 60 credit hours, or permission of the department head
Note: Formerly numbered DEVS 400. Students may receive credit for one of DEVS 400 or IS 420

IS 430 3:3-0
Advanced Topics in European Studies
This seminar course consolidates an understanding of the essential characteristics of contemporary and emergent cultural, economic and political life in Europe. In particular, the character and impact of European integration on historically differentiated member states will be considered. The significance of European contributions to the world community will also be examined.
Prerequisite: IS 230 (formerly ES 200) and 60 credit hours, or permission of the department head.
Note: Formerly numbered ES 400. Students may receive credit for one of ES 400 or IS 430

IS 440 3:3-0
Advanced Topics In International Affairs
This seminar course studies major contemporary issues in international affairs within the framework of main relevant theories. The objective is to develop a good understanding of how the political, economic, social and cultural aspects of international issues are interrelated.
Prerequisite: IS 240 and 60 credit hours, or permission of the department head
Note: Formerly numbered INAF 400. Students may receive credit for one of INAF 400 or IS 440

IS 490 3:3-0
Selected Topics in International Studies - an AA-ZZ series
A seminar course in current topics in International Studies.
Prerequisite: 60 credit hours and/or potentially other courses, or permission of the department head

IS 498 3:3-0
Honours Paper in International Studies I
Students work towards an Honours Paper in their area of concentration under the supervision of a faculty member. Students must submit a proposal at the end of the term.
***Permission of the Coordinator of the International Studies Program is required to register. ***

IS 499 3:3-0
Honours Paper in International Studies II
Students write an Honours Paper under the supervision of a faculty member. Students must submit an extensive research paper based on their proposal in IS 498.
***Prerequisite: IS 498 with a minimum grade of 75% ***

JAPN Japanese

JAPN 111 3:3-1
Introductory Japanese I
This introductory course is designed to develop basic communicative competence in the reading, writing, listening and speaking skills. Sociolinguistic characteristics of the Japanese language will be emphasized.
***Prerequisite: No previous background in Japanese. ***
*Note: Formerly numbered JAPN 100. Students may not receive credit for both JAPN 100 and JAPN 111. *
*Note: Students whom previously completed JAPN 101 should consult with the department about whether this course can be completed for credit. *

JAPN 112 3:3-1
Introductory Japanese II
A continuation of JAPN 111. This course continues to introduce the basic elements of the language with more kanji characters. Sociolinguistic characteristics will continue to be emphasized.
Prerequisite: JAPN 100; 101; 110 or 111; or permission of the Department
Note: Formerly numbered JAPN 102. Students may not receive credit for both JAPN 102 and JAPN 112
Note: Students who previously completed JAPN 101 should consult with the department about whether this course can be completed for credit

JAPN 211 3:3-1
Intermediate Japanese I
This course is designed to reinforce the fundamentals of Japanese introduced in 100-level courses. More vocabulary and complex grammar will be introduced to develop communicative competence. The knowledge of kanji characters will be further developed.***Prerequisite: JAPN 112 or permission of the department.***
*Note: Formerly numbered JAPN 200. Students may not receive credit for both JAPN 200 and JAPN 211. *
*Note: Students who previously completed JAPN 201 should consult with the department about whether this course can be completed for credit. *

JAPN 212 3:3-1
Intermediate Japanese II
This course is a continuation of JAPN 211. It introduces more complex grammar structures with an increase of vocabulary and kanji characters. The aim of this course is to develop communicative competence in casual, formal and honorific speech styles.
Prerequisite: JAPN 200; 201 OR 211 or permission of the department
Note: Formerly numbered JAPN 202. Students may not receive credit for both JAPN 202 and JAPN 212
Note: Students who previously completed JAPN 201 should consult with the department about whether this course can be completed for credit

JAPN 311 3:3-1
Advanced Japanese I
A continuation of JAPN 212 or JAPN 202. This course will further focus on vocabulary development crucial for communicative competence. The primary goal is to solidify the grammar, vocabulary and kanji foundation studied during the previous courses through a variety of cultural contexts,
Prerequisite: JAPN 212 or permission of Department.
*Note: Formerly numbered JAPN 300. Students may not receive credit for both JAPN 300 and JAPN 311. *

JAPN 312 3:3-1
Advanced Japanese II
This course places further emphasis on the development of communicative competence through cultural study. Students will not only develop language proficiency, but in using Japanese language will be able to demonstrate knowledge of Japanese culture.
***Prerequisite: JAPN 311 or permission of Department. ***
*Note: Formerly numbered JAPN 301. Students may not receive credit for both JAPN 301 and JAPN 312. *

JAPN 411 3:3-0
Introduction to Modern Japanese Literature
Introduction to Modern Japanese Literature
This course is designed to strengthen previous knowledge and further develop linguistic knowledge through reading modern Japanese literature, and song lyrics in various genres. Includes discussions, essay-writing and presentations in Japanese.
Prerequisite: JAPN 312, or permission of Department.

JRN Journalism

JRN 300 3:3-3
Introduction to Print Journalism
Study and practice of newsgathering fundamentals and principles in reporting for newspapers and their websites. A focus on information gathering, clear, complete, accurate and fair story writing to deadlines, the essentials of headline writing, page layout and editing according to Canadian Press style guidelines followed in newspapers across the country.
***Prerequisite: Admission to the School of Journalism. ***

JRN 301 3:3-3
Introduction to Broadcast Journalism
Study and practice of newsgathering, writing and reporting for radio and television. A focus on the development of broadcast specific skills to understand and relay the daily events and issues of public importance as presented in a broadcast news format.
***Prerequisite: Admission to the School of Journalism. ***

JRN 302 3:3-0
Rights and Responsibilities of the Journalist
A critical look at the social role and ethical responsibilities of the media. An introduction to journalistic responsibilities and legal parameters, including court reporting, image use, libel and slander, protecting sources, etc. A focus on understanding journalist rights, including freedom of expression, access to information, and the justice system.
***Prerequisite: Admission to the School of Journalism. ***

JRN 303 3:3-0
Research Techniques for Journalists
An introduction to well-researched and well-told reporting, including building a research file, research sources and tools, libraries and archives, fact checking, placing facts within narrative structure, engaging and informing the reader, using research to enhance descriptive power, and analyzing and translating complex information for a mass audience.
***Prerequisite: Admission to the School of Journalism. ***

JRN 304 3:3-0
Foundations of Interviewing for Journalists
Foundations of Interviewing for Journalists
An introduction to the fundamentals of conducting successful interviews. A focus on interview techniques and style, accurate note-taking, the process of re-telling people?s stories, placing interviews within narrative structure, handling ethical dilemmas, active listening, understanding memory and human psychology, and the analysis of live and taped interviews will be examined.
***Prerequisite: Admission to the School of Journalism. ***

JRN 305 3:3-3
Intermediate Print Journalism
Continuing study and practice of newsgathering and writing for daily news, with in-depth reporting on current issues. A focus on beat coverage, editing and production, feature preparation, backgrounders, analysis pieces, and style guidelines. A critical study of Canadian newspapers through analysis, examination and debate of examples of excellent journalism.
***Prerequisite: JRN 300 ***

JRN 306 3:3-3
Intermediate Broadcast Journalism
Continuing study and practice of newsgathering, writing and reporting for radio and television. A focus on longer form reporting for broadcast, with specific attention on the skills to fit in-depth analysis and commentary of public issues into a variety of broadcast formats ranging from talk tapes to mini documentaries.
***Prerequisite: JRN 301 ***

JRN 307 3:3-0
Investigative Journalism
The history and social role of investigative journalism. Students will explore investigative tools and techniques, including accessing public information, approaching and interviewing hostile sources, computer assisted reporting, online resources, ethical pitfalls, journalistic numeracy, avoiding legal problems, ensuring accuracy, fact-checking and security.
***Prerequisite: JRN 303 and JRN 304 ***

JRN 308 3:3-0
Contemporary Issues in Journalism
This course examines selected topics of importance to journalists, and aims to promote critical responses to journalistic issues, interpreting and disseminating information about an increasingly complex world, technological advances in reporting, and developing journalistic fluency in a mediated culture.
***Prerequisite: JRN 302 ***

JRN 312 3:3-0
Photojournalism
A detailed examination of the photojournalist?s role in the news gathering process. A focus on communicating through digital imagery and the power of visual storytelling, with emphasis on practical techniques and problem solving and ethical image editing.
Prerequisite: Completion of 60 credit hours or permission of department head
*Note: Each student is required to have an entry level DSLR camera and basic editing software such as Adobe Photoshop or Lightroom.

JRN 400 15:0-0
Internship
Internship is a term served in the field in a work/study capacity. Students select prospective internships and are interviewed for media placements; however, final decisions on placements are at the discretion of the School. Students must accept placements as assigned. Internships are offered in the winter, Summer or fall terms.
***Prerequisite: Satisfactory completion of JRN 300, JRN 301, JRN 302, JRN 303, and JRN 304. ***

JRN 401 3:3-3
Advanced Print Journalism
This fourth-term course focuses on specialized reporting of news and current affairs, and writing of opinion pieces and editorials. Students are expected to bring an analytical approach to the course following the internship experience, monitor major print media coverage of particular issues, and research and investigate publishable stories independently.
***Prerequisite: JRN 300 and JRN 305 ***

JRN 402 3:3-3
Advanced Broadcast Journalism
Advanced study and practice of current affairs, news gathering, writing, and reporting for the broadcast media. Students are expected to bring an analytical approach to the course following the internship experience, monitor major broadcast media coverage of particular issues, and research and investigate stories independently.
***Prerequisite: JRN 301 and JRN 306 ***

JRN 411 3:3-3
Documentary Theory and Production
Introduction to the theory, practice and production of broadcast documentaries. An examination of historical and contemporary perspectives, focusing on practical elements of documentary making, including researching, writing, visual and aural literacy, and technical applications. Working in small groups, students are responsible for the production of a substantial documentary.
***Prerequisite: JRN 301 and JRN 306, or permission of the department head ***

JRN 413 3:3-0
Magazine Writing and Literary Journalism
An intensive writing seminar/workshop with a focus on developing the creative voice and how to apply literary conventions to journalistic writing. A detailed examination of the roots of New Journalism, creative non-fiction, literary journalism, self-directed journalism and the freelance environment.
***Prerequisite: JRN 300 and JRN 305 ***

JRN 415 3:3-0
International Media
The study of the role of media in the processes of globalization and development, with a focus on learning journalistic skills and practices accepted in and by the media of different countries, and reportage of world events and issues in media outside North America.
***Prerequisite: Completion of 60 credit hours or permission of department head. ***

JRN 417 3:3-0
Specialized Reporting
An advanced course focusing on an examination of one form of Beat Reporting. The focus may include: sports, arts, science, religion, aboriginal affairs, medicine, business, environment, education, labour, and/or lifestyle reporting.
***Prerequisite: Completion of 60 credit hours or permission of department head. ***

JRN 480 3:3-0
Selected Topics
Courses designed as required for groups of students.

JS Justice Studies

Since many courses in the department of Justice Studies have been re-numbered over the past several years, students must ensure that they do not register for courses they have already taken. If in doubt, please consult the department.

JS 090 0:3-0
Justice Studies Orientation
This compulsory pass/fail course orients and prepares students for success in Justice and Undergraduate Studies: this will build upon the foundations provided by the Faculty of Arts orientation. It will assist students with information on Justice Studies programs, practica and career opportunities in the justice field. Professionals from various justice organizations will provide information about career opportunities.
Note: This is a zero-credit, three-hour required course and is offered one time during the fall and winter terms. This is not a 13-week course. Students must take this course prior to applying for the JS 290 practicum field experience or prior to completing 30 credit hours.
Note: JS 100 is required for all majors in Justice Studies programs.

JS 100 3:3-0
Introduction to Justice
Introduces major theoretical orientations and methods of justice studies. Provides an overview of the Canadian legal system and issues involved in the pursuit of criminal, legal, restorative, and social justice.
Note: Formerly numbered HJ 201 and JS 210. Students may receive credit for only one of JS 100, 210 or HJ 201.

JS 230 3:3-0
Introduction to Canadian Law
Examines the conceptual foundations, structure and administration of law in Canada, including criminal and civil law. Current legal debates and precedent setting cases will be discussed.
Prerequisites: Completion of 12 credit hours or permission of department head
Note: Formerly numbered HJ 307. Students may receive credit for only one of JS 230 or HJ 307

JS 240 3:3-0
The Criminal Justice System
An introductory analysis of the criminal justice system. An examination of the Canadian criminal justice process from initial police involvement through court processes to the correctional disposition of convicted offenders.
Prerequisite: Completion of 12 credit hours or permission of department head
Note: Formerly numbered HJ 310 and JS 340. Students may receive credit for only one of HJ 310, JS 240 or 340

JS 276 3:3-0
Professional Ethics
Philosophical consideration of ethical problems which arise in the context of the conduct of professional practice. Areas include ethics of privacy and confidentiality with applications to justice.
Prerequisites: Completion of 12 credit hours or permission of department head
Notes: Students may receive credit for only one of PHIL 276 or JS 276. JS 276 is only offered to JS students when PHIL 276 is not scheduled in neither a fall or a winter term

JS 280 3:3-0
Introduction to Social Justice
An interdisciplinary examination of the nature and foundations of social justice, including human rights. Theoretical and applied perspectives are included.
Prerequisites: Completion of 12 credit hours or permission of department head
Note: Formerly numbered JS 380 and HJ 309. Students may receive credit for only one of JS 280, JS 380 or HJ 309

JS 290 6:0-0
Practicum I (Introductory): Field Placement
JS 290 is an introduction to professional practice in an approved human service or justice organization. The goal of the practicum is to provide students with the opportunity to integrate theory in practice by applying the knowledge, skills and abilities acquired during their academic study.
***Prerequisite: 30 credit hours, including JS 090, JS 100 and 65% PGPA and 60% UGPA or permission of department head. ***
*Note: Students must fill out the required forms for off-campus activities.
Note: Formerly numbered HJ 202. Students may receive credit for only one of HJ 202 or JS 290.
Note: Students must complete this course between their 30th and 90th credit hour.

JS 291 3:1.5-0
Professional Communications and Writing
An introduction to the integration of theory and practice in justice issues.
Prerequisite: Completion of 12 credit hours
Permission of the Practicum Coordinator is required to register or permission of department head
Note: Formerly numbered HJ 203. Students may receive credit for only one of HJ 203 or JS 291

JS 310 3:3-0
Food, Hunger and Social Justice
Examines social justice issues related to food production and consumption, food security, and food sovereignty. Highlights some current international debates on questions such as famine and hunger, food aid, industrialization and corporate control of agriculture, social and environmental consequences of intensive production, and agro-biotechnology.
Prerequisite: JS 090, JS 100, and completion of 30 credit hours or permission of department head
Note: Formerly numbered HJ 355 and HJ 482AB. Students may receive credit for only one of HJ 355 or 428AB or JS 310

JS 311 3:3-0
Work, Economic Security and Justice
Explores how work (both paid and unpaid) is related to justice, equality and economic security. Considers the impact of globalization on work and the well-being of families and communites in Canada. Focuses on legislation and policies governing employment standards, occupational health and safety, and labour-management relations.
Prerequisites: JS 090, JS 100, and completion of 30 credit hours or permission of department head
Note: Formerly numbered HJ 358. Students may receive credit for only one of HJ 358 or JS 311

JS 313 3:3-0
Mental Health and Substance Abuse
Mental health and substance use/abuse are significant issues for justice organizations and professionals and clients. This course will explore approaches to prevention, intervention and suppression. Public policy related to both areas will be examined.
Prerequisite: JS 090, JS 100, and completion of 30 credit hours or permission of department head
Note: Formerly numbered HJ 354. Students may receive credit for only one of HJ 354 or JS 313

JS 316 3:3-0
Mediation and Dispute Resolution
Examines the role, purposes, use of mediation and other methods of conflict or dispute resolution. Assesses appropriate use of a variety of dispute resolution mechanisms, especially as they relate to issues of race, class, and gender. Emphasis on conflict resolution in the context of human justice and restorative justice.
Prerequisite: JS 090, JS 100 and completion of 30 credit hours or permission of department head
*Note: Formerly numbered HJ 321 and HJ 381AC. Students may receive credit for only one of HJ 321 or 381AC or JS 316. *

JS 317 3:3-0
Justice, Democracy and Social Change
Examines justice in terms of concepts and practices of citizenship within democratic societies. Examines political justice, representations, governmental obligations re: human services and the growing role of non-governmental organizations.
Prerequisite: JS 090, JS 100 and completion of 30 credit hours or permission of department head
Note: Formerly numbered HJ 314. Students may receive credit for only one of HJ 314 or JS 317

JS 318 3:3-0
Restorative and Community Justice
This course will examine, in depth, the restorative justice paradigm and its applications. The development of justice alternatives to criminalizing approaches will be explored. The concepts and services and emerging roles for the community and victims will be analyzed.
Prerequisite: JS 090, JS 100, and completion of 30 credit hours or permission of department head
Note: Formerly numbered HJS 320, 322, 433 and 384AC. Students may receive credit for only one of HJ 320, 322, 433, 384AC or JS 318

JS 319 3:3-0
Criminological Theories
This course examines various theories within the discipline of criminology that attempt to explain and predict the etiology and epidemiology of criminal and deviant behaviour in Canadian society. Both classical and contemporary theories of crime are considered. Multiple theoretical and disciplinary perspectives may be discussed.
Prerequisite: JS 090, JS 100, and completion of 30 credit hours or permission of department head
*Note: Student can only receive credit for JS 498AE or JS 319 *

JS 331 3:3-0
Family Law and Family Policy
Examines legislation, policies, institutions, and processes relevant to family welfare. Considers issues such as child protection and the structure and operation of family courts. Includes comparisons with other jurisdictions.
Prerequisite: JS 090, JS 100, and completion of 60 credit hours or permission of department head
Note: Formerly numbered HJ 423. Students may receive credit for only one of HJ 423 or JS 331

JS 332 3:3-0
Law and Society
This course explores law as a social institution. It examines the origin, impact and definition of law, dispute resolution, and the relationship between law and social change. It seeks to engage students in a critical examination of law from a theoretical foundation by applying theory to Canadian law.
Prerequisite: JS 090, JS 100, and completion of 30 credit hours or permission of department head

JS 341 3:3-0
Policing in a Democratic Society
Explores the roles, organization, and accountability of policing within democratic societies. Considers implications of jurisdiction, geography, community, training and operations.
Prerequisite: JS 090, JS 100, and completion of 30 credit hours or permission of department head
Note: Formerly numbered HJ 315. Students may receive credit for only one of HJ 315 or JS 341

JS 342 3:3-0
Best Practices in Correctional Programs
Analyses innovative practices in services for offenders in both institutional and community-based correctional settings. Topics include assessment of offender risk, shaping positive cognitive and social behaviours, overcoming substance abuse, and the protection and promotion of health. Research evidence on the efficacy of such programs is examined.
Prerequisite: JS 090, JS 100, and completion of 60 credit hours or permission of department head
Note: Formerly numbered HJ 480AK. Students may receive credit for only one of HJ 480AK or JS 342

JS 343 3:3-0
Community Policing
A theoretical examination of the history and models of contemporary community policing in Canada. The interrelated roles of the community and the police in the development and implementation of community- and problem-oriented policing in urban as well as rural settings will be examined.
Prerequisite: JS 090, JS 100, and completion of 30 credit hours or permission of department head

JS 350 3:3-0
Justice and Indigenous Peoples
Intended to help human service workers understand the background of current issues, including aboriginal rights, land claims and self-government. Explores aboriginal history, colonization, settlement, displacement, and constitutional issues here and abroad.
Prerequisite: JS 090, JS 100 and completion of 30 credit hours or permission of department head
Note: Formerly numbered HJ 332. Students may receive credit for only one of HJ 332 or JS 350

JS 351 3:0-0
Forms of Racism in Canadian Society
This course examines the socio-historic system of racism with a focus on the Canadian Aboriginal experience. Manifestations of the different forms of racism are explored. Participants engage in a variety of activities to analyze racism and evaluate their beliefs and actions in order to promote equity and anti-racism practice.
Prerequisite: JS 090, JS 100 and completion of 30 credit hours or permission of department head
Note: Formerly numbered HJ 306. Students may receive credit for only one of HJ 306 or JS 351

JS 370 3:3-0
Young Offenders and Youth Justice
Examines the status and prospects of youth and current legislation in regard to young offenders. Compares current and former legislation, with attention to guiding principles and actual outcomes. Considers policy and service issues and their impact on youth and youth workers.
Prerequisite: JS 090, JS 100 and completion of 30 credit hours or permission of department head
Note: Formerly numbered HJ 330. Students may receive credit for only one of HJ 330 or JS 370

JS 381 3:3-0
Foundations of Human Rights
Examines the historical, political, and legal development of human rights and how gender, class, and various aspects of personal and collective identity affect our understanding and realization of human rights. Emphasizes the interrelationships of civil and political rights with social and economic rights.
Prerequisite: JS 090, JS 210 and completion of 30 credit hours or permission of department head
Note: Formerly numbered HJ 312. Students may receive credit for only one of HJ 312 or JS 381
Note: Recommended for those wishing to take JS 481

JS 383 3:3-0
Social Justice Movements
Examines the theories, meanings and practices of social justice movements in Canada and internationally. Examines local, national, and international social movements and the ways in which economic globalization has led to the formation of the anti-globalization movement. Analyzes the strategies and forms of resistance used by social movements to effect social, economic, political and religious change.
Prerequisite: JS 090, JS 100, and completion of 30 credit hours or permission of department head
Note: Formerly numbered HJ 353. Students may receive credit for only one of HJ 353, JS480, or JS 383.

JS 384 3:3-0
Advocacy Strategies and Skills
Explores general approaches and practical skills that can be used in working to achieve justice-related goals, including policy analysis, political advocacy, organizational and community-based activism, public education, and community development.
Prerequisite: JS 090, JS 100, and completion of 30 credit hours or permission of department head
Note: Formerly numbered HJ 405. Students may receive credit for only one of HJ 405 or JS 384

JS 390 3:3-0
Case Management
Case management is used by professionals from many disciplines including justice professionals. It is a map that guides to integrate their existing knowledge, expertise, and values in more meaningful ways towards improving the quality of services.
Prerequisite: JS 090, JS 100, and completion of 30 credit hours or permission of department head

JS 391 3:3-0
Interprofessional Collaboration
In this course students will explore complex issues related to health, social well-being, justice and learning in an interprofessional context. Primary goals will be to engage students in opportunities which develop knowledge, skills and attitudes related to collaborative competencies, promote interprofessional learning and to foster interprofessional practice.
Prerequisite: JS 090, JS 100, and completion of 30 credit hours or permission of department head
*Note: Formerly numbered JS 380AK and HJ 380AK. Students may receive credit for only one of HJ 380AK, JS 380AK or JS 391. *

JS 392 3:0-0
Crime Intelligence and Analysis
This course introduces students and professionals to the role of intelligence and analysis in policing. Students and professionals will obtain the knowledge, skills and tools for basic analysis techniques. The course provides insight into the principles of intelligence led policing, critical thinking, and analysis.
Prerequisite: JS 090, JS 100, and completion of 30 credit hours or permission of department head
Note: Formerly numbered JS 398AB. Students may receive credit for only one of JS 392 or JS 398AB

JS 398 1-3:3-0
Selected Topics - an AA-ZZ series
Includes courses being developed to meet changing circumstances as required for the development of the department. Course descriptions are available from the department or on the web at http://www.uregina.ca/arts/justice-studies/index.html.
Prerequisite: JS 090, JS 100, and completion of 30 credit hours or permission of department head

JS 399 0-3:3-0
Directed Readings and Research - an AA-ZZ series
Courses designed for individual students.
Prerequisite: JS 090, JS 100, and completion of 30 credit hours or permission of department head

JS 412 3:3-0
Environment and Justice
Traces environmental movements, environmental ethics, evolution of environmental assessment/protection, criminalization of pollution, and international environmental agreements. Approached from several perspectives: deep ecology, social ecology, green politics, sustainable development, bio-regionalism and eco-feminism.
Prerequisites: JS 090, JS 100, and completion of 30 credit hours or permission of department head

JS 415 3:3-0
Program Evaluation
Introduction to organizational, methodological and professional issues involved in evaluating programs in government and non-government organizations that deal with justice issues. This course offers a practical understanding of the evaluation process, including identification of key evaluation questions, program logics, measurement, research design, and qualitative evaluation.
Prerequisite: Completion of 60 credit hours and any 300-level JS course or permission of department head

JS 418 3:3-0
Advanced Seminar in Law and Restorative Justice
This course will focus on special topics in the area of law or restorative justice. The intent is to offer a special focus on key and contemporary issues in the field and allow students to explore that topic in great depth throughout the term.
Prerequisite: Completion of 60 credit hours and any 300-level JS course or permission of the department head

JS 419 3:3-0
Advanced Seminar in Criminal Justice
This course will focus on special topics in the area of criminal justice systems. The intent is to offer a special focus on key and contemporary issues in the field and allow students to explore that topic in great depth throughout the term.
Prerequisite: Completion of 60 credit hours and any 300-level JS course or permission of department head

JS 431 3:3-0
International Law and Justice
Explores the role of law, courst and policy at the international level in the pursuit of criminal justice and social justice. Examines how advocacy and service organizations use these international mechanisms in pursuit of justice-related goals.
Prerequisite: Completion of 60 credit hours and any 300-level JS course or permission of department head
Note: Formerly numbered HJ 424. Students may receive credit for only one of HJ 424 or JS 431

JS 440 3:3-0
Advanced Issues in Corrections and Community Justice
Examines shifting assumptions and changing practices in dealing with persons found guilty of criminal offences, as they pertain to both institutional and community settings. Topics include programming models, tensions among retributive, rehabilitative, and restorative approaches, and the role of culture and communities in repairing harm done by criminal behaviour.
Prerequisite: Completion of 60 credit hours and any 300-level JS course or permission of department head
Note: Formerly numbered HJ 384AB and HJ 407. Students may receive credit for one of JS 440, HJ 407 or HJ 384AB

JS 443 3:3-0
Police Organization, Administration and Leadership in Canada
This course focuses on the principles of administration, organizational behaviour and leadership in human services agencies, including social and criminal justice agencies. Topics include financial and human resource management, implementation of programs toward fulfillment of objectives and decision-making. This course will also examine different models and styles of organizational structure and how they influence organizational behaviour.
Prerequisite: Completion of 60 credit hours and any 300-level JS course or permission of department head

JS 460 3:3-0
Discrimination and Justice
This course examines the social, economic, political and legal implications of discrimination based on: age, ethnicity, racial, gender, sexuality, ability and religion. The course assesses possible areas for social justice advocacy alongside potential legal/judicial remedies to ensure rights and self-determination.
Prerequisite: Completion of 60 credit hours and any 300-level JS course or permission of department head

JS 481 3:3-0
Advanced Issues in Human Rights
This course focuses on special topics in the area of social justice and human rights. The focus is on key and contemporary issues in the field allowing students to explore that topic in great depth throughout the term.
Prerequisites: JS 100, any 300-level JS class and completion of 60 credit hours or permission of department head
Note: Formerly numbered HJ 426. Students may receive credit for only one of HJ 426 or JS 481

JS 490 9-15:0-0
Practicum II (Advanced): Field Placement
The Advanced Practicum field placement focuses students? attention on personal and professional development: clarifying values, developing self-confidence and self-reliance, and problem-solving actual life experiences.
Prerequisites: JS 090, JS 100, 290, 291, Completion of 90 credit hours, 65.00% PGPA and 60.00% UGPA.
Permission of the Practicum Coordinator is required to register
Note: Students must fill out the required forms for off-campus activities
Note: Formerly numbered HJ 445. Students may receive credit for only one of HJ 445 or JS 490

JS 492 3:3-0
Practicum: Major Project
Students build on the Field Placement and Seminar components of the Advanced Practicum through the preparation of a substantial research paper, which is also the basis of an oral presentation to other students and faculty members.
Prerequisite: JS 090, JS 100, 290, 291, Completion of 90 credit hours, 65.00% PGPA and 60.00% UGPA

JS 494 15:15-0
Practicum: Professional Training and Paper
Students will undergo the final stage of their training. This will involve a four month period of work with an approved sponsoring police service and completion of an assigned paper.
***Prerequisite - Completion of a term at an approved Police College or equivalent training with an approved police service, admission to the BA in Police Studies, a minimum of 60% PGPA and 65% major GPA ***
**Permission of the Police Studies Coordinator is required to register **
Note: JS 494 is a compulsory course for students who were enrolled in pre-police studies at any time before finding employment with a police service, and for officers who have less than five years service upon application for admission to the BA in Police Studies.
Note: Students may not receive credit for both JS 494 and 495.
Note: Formerly numbered PLST 448. Students may receive credit for only one of PLST 448 or JS 494.

JS 495 3:3-0
Practicum: Paper
Students must complete an assigned paper which will integrate academic learning with contemporary policing.
***Prerequisite - Completion of 75 credit hours of pre-police studies (including 15 credit hours of transfer credit for police college (or equivalent)training), admission to the BA in Police Studies, a minimum of 60.00% PGPA and 65.00% major GPA. ***
**Permission of the Police Studies Coordinator is required to register **
Note: JS 495 is intended for officers with at least five years of service upon application for admission to the BA in Police Studies, and who were not enrolled in pre-police studies before finding employment with a police service.
Note: Students may not receive credit for both JS 494 and 495.
Note: Formerly numbered PLST 449. Students may receive credit for only one of PLST 449 or JS 495.

JS 498 1-6:6-0
Advanced Selected Topics - an AA-ZZ series
Advanced Selected Topics.
Prerequisites: Completion of 60 credit hours and any 300-level JS course, or permission of department head

JS 499 1-3:3-0
Advanced Directed Readings and Research an AA-ZZ course
Advanced Selected Topics.
Prerequisite: Completion of 60 credit hours and any 300-level JS course, or permission of department head

KHS Kinesiology & Health Studies

KHS 001 0:0-0
KHS Internship Term I
Four month sequential internship terms approved by the Faculty and arranged by the University Co-op Office. The total number of internship terms must correspond to the placement agreement stipulating months of employment. Students will liaise with the KHS Experiential Learning Coordinator during internship.

KHS 002 0:0-0
KHS Internship Term II
Four month sequential internship terms approved by the Faculty and arranged by the University Co-op Office. The total number of internship terms must correspond to the placement agreement stipulating months of employment (Typically, students will be registering for 8 months worth of internship experience). Students will liaise with the KHS Experiential Learning Coordinator during internship.
***Prerequisite: KHS 001 ***

KHS 003 0:0-0
KHS Internship Term III
Four month sequential internship terms approved by the Faculty and arranged by the University Co-op Office. The total number of internship terms must correspond to the placement agreement stipulating months of employment (Typically, students registering in KHS 003 will have a 12 month internship coordinated). Students will liaise with the KHS Experiential Learning Coordinator during internship.
***Prerequisite: KHS 002 **

KHS 100 0:2-0
Seminar in Kinesiology and Health Studies
An introductory seminar to the University and the Faculty of Kinesiology and Health Studies. Students will be introduced to a variety of services available to them and their roles and responsibilities as members of the university community. The seminar will also provide students with degree and career related opportunities. This required course must be completed within one year of admission to the Bachelor of Kinesiology.
*Note: This required course must be completed within one year of admission to the Bachelor of Kinesiology program. Normally offered in fall term only. *

KHS 131 3:3-0
Philosophy and Practice of Yoga and T'ai Chi
A study of the philosophical and practical aspects of movement through yoga and t'ai chi. This course will incorporate fundamental principles of flexibility training and proper technique.
*Note: This is an applied activity-based course. *

KHS 132 3:2-0
Recreational Sport in an Aquatic Environment
An introduction to various recreational or sport related activities that use water as a medium. This course will focus on water related safety skills, and the development of knowledge and skill in a variety of aquatic-based activities; the course may include water polo, swimming, canoeing, synchronized swimming, and diving.
*Note: Cannot take for credit if completed KHSA 110 unless prior permission received from Program Chair/Associate Dean. Normally offered in fall term only. *

KHS 135 3:2-0
Personal Fitness and Wellness
The study and practice of effective performance in physical fitness and wellness. This course will include the development of skill, knowledge and attitude in the areas of nutrition, flexibility training, strength training, and aerobic training. Theoretical and practical application of wellness principles as they relate to personal well-being is foundational.
*Note: Cannot take for credit if completed KHSA 116, KHSA 119, and/or KHSA 120, unless prior permission is received from the program Chair/Associate Dean. Normally offered in fall term only. *

KHS 139 3:3-1
Movement Education
A study of the theoretical, practical, and professional aspects of the content and methodology of movement education, and the growth and development of children.

KHS 182 3:3-0
Coaching Theory
The theory of coaching in sport with an emphasis upon the content of the National Coaching Certification Program.
*Note: normally offered in the winter term only. *

KHS 231 3:2-0
Educational Gymnastics
The study and practice of effective performance in educational gymnastics. Through theoretical and practical experiences, students will learn the application of Basic Movement Variables, Basic Movement Patterns, Performance Cues, appropriate methods of analysis, and instruction of performance in educational gymnastics.
***Prerequisite: KHS 139 ***
*Note: Cannot take for credit if completed KHSA 107 unless prior permission received from Program Chair/Associate Dean. Normally offered in fall term only. *

KHS 232 3:2-0
Rhythmics and Dance
The study and practice of effective performance in rhythmics and dance. Through theoretical and practical environments, students will learn the application of Basic Movement Variables, Basic Movement Patterns, Performance Cues, appropriate methods of analysis, and instruction in rhythmics and dance.
***Prerequisite: KHS 139 ***
*Note: Cannot take for credit if completed KHSA 108 and/or KHSA 109, unless prior permission received from Program Chair/Associate Dean. Normally offered in winter term only. *

KHS 233 3:2-0
Developmental Games and Sports
The study and practice of educational and developmental appropriate experiences to learning and teaching games and sports. Through theoretical and practical experiences students will learn the application of Basic Movement Patterns, Basic Movement Variables, Performance Cues, appropriate methods of analysis, and instruction in developmental games and sports.
***Pre-requisite: KHS 139 ***
*Note: Cannot take for credit if completed KHSA 103, KHSA 104, KHSA 106, and/or KHSA 112, unless prior permission received from Program Chair/ Associate Dean. Normally offered in fall term only. *

KHS 300 0:2-0
Pre-Fieldwork Seminar
This non-credit mandatory pre-fieldwork seminar will provide the student with an in-depth overview of the Fieldwork Program within Kinesiology and Health Studies. Students will gain an understanding of the policies, procedures, rules, and responsibilities of the student, faculty, and agency.
***Prerequisite: Completion of 60 credit hours. ***
*Note: Normally offered in the fall term only. *

KHS 325 3:3-0
Interprofessional Collaboration for Health, Justice and Learning
In this course students will explore, in an interprofessional context, complex issues related to health and learning. A primary objective will be to engage in opportunities to develop knowledge, skills and attitudes related to collaborative competencies and promote interprofessional learning to foster interprofessional practice.

KHS 400 3-15:15-0
Fieldwork
Students will be given the opportunity to apply their knowledge in a specific professional role related to their major. The Fieldwork experience will be undertaken by the student under supervision of a mentor/host professional and the fieldwork coordinator. The placement is a minimum of 14 weeks full time. This component is Pass/Fail, and must be taken concurrently with KHS 405 (Fieldwork Project).
Prerequisite: KHS 300, completion of 75 credit hours within the program; completion of required major courses; a minimum 60% PGPA; and, a minimum 65% major GPA.

KHS 405 0-6:6-0
Fieldwork Project
This course offers the senior sport and recreation management, therapeutic recreation and kinesiology student with the opportunity to use their knowledge in skill in a professional setting. Further, students will learn about professional environments through a program and service delivery lens. Seminar-based discussions will help students critically analyse their experiences, appreciate and examine various perspectives, and develop theoretical and practical ideas for their projects.
Corequisite: KHS 400
Note: KHS 400 and KHS 405 must be taken concurrently.

KIN Kinesiology & Health Studies

KIN 101 3:3-1
Writing and Discourse for Academia
The course introduces students to the University of Regina and Faculty of KHS community, culture, services, and opportunities. The course focuses on variety of approaches to reading, writing and researching with the intent to develop the student?s overall communication skills. Emphasis is placed on critical thought and effectively communicating well-developed ideas when writing research papers, and how to formulate, organize, and present meaningful academic arguments.

KIN 105 3:3-0
Indiginous Health and Sport in Historical Perspective
This course introduces students to current challenges facing Indigenous people in North America using sport and health as its central themes. The course provides a survey of topics from prehistory to current events. Another focus is the participation of students in Indigenous cultural events.

KIN 110 3:3-1
Sociology of Sport, Recreation and Physical Activity
This course examines selected topics related to the sociology of sport and physical activity. The emphasis of the course is on understanding the construction and organization of sport in modern societies and the social and cultural influences on sport and physical activity, particularly in Canadian society.

KIN 115 3:3-1
Introduction to Sport and Exercise Psychology
An introduction to the theoretical and practical understanding of the behavioural aspects of physical activity from a sport and exercise psychology perspective.

KIN 120 3:3-1
Rec - Persons with Disabilities
This course will broadly introduce the student to the diagnosis, associated characteristics, and shifting sociocultural paradigms that influence the experiences of persons with physical, intellectural and/or developmental disabilities. Using an active living approach to situate theoretical and practical learning, this course requires the student to exercise the application of adapted physical activity principles to engage children, youth, and yound adults in physical activities that are safe, challenging, and self-determined with a focus on success.
This course is crosslisted with SRS 120

KIN 170 3:3-1.5
Lifestyle, Health and Wellness
The factors which affect and individual's health will be examined and the potential role of lifestyle choices in the maintenance of health will be discussed. This course will enable the student to become an informed, responsible, active participant in one's own health. *Note: Students will not receive credit for both KIN 170 (KHS 170) and KIN 171 (KHS 171).

KIN 180 3:3-3
Lifespan Growth and Motor Development
This course provides a general introduction to the analysis of motor development across the life span. It presents students with the opportunity to investigate the principles, research and applied practice of motor development from infancy to older adult. Current topics in motor development are presented using a unifying constraints model approach. This approach takes into account the individual as well as the environmental and task factors that potentially affect human growth and motor development.

KIN 181 3-15:15-15
Special Topics in Kinesiology
Courses numbered KIN 181AA-ZZ are special topics courses with in the Bachelor of Kinesiology degree. Special topics courses are those requiring pilot offerings prior to finalization of course content.

KIN 205 3:3-3
Applied Philosophy in Kinesiology and Health
Application of philosophilcal theories and concepts to kinesiology and health.
Prerequisite: Completion of 15 credit hours, including ENGL 100 or KIN 101.

KIN 220 3:3-1
Research Methods in Kinesiology and Health Studies
Focus on various research methods and statistical analyses used in Kinesiology and Health Studies. Emphasis on ability to read and understand published research. Course focuses on basic research methods, experimental and non-experimental designs, and basic statistical analyses students will encounter in most Kinesiology and Health Studies research. Emphasis is placed on becoming a critical consumer (read, understand and critique) of research. Students are expected to design their own research project to answer a relevant research question for their own area of interest.
Prerequisite: One of SOST 201, STAT 100 or STAT 160, and one of ENGL 100 or KIN 101.

KIN 240 3:3-1
Physical Activity and Aging
This course provides the student with a basis for examining the effects of the aging process and the relationship amongst physical activity, sport, recreation, leisure and therapeutic recreation and aging. The course will also explore aspcts of fitness assessments and adaptation of physical activity programs to meet the needs of the whole continum of fit to frail older adults.
Prerequisite: KIN 170 and KIN 120.

KIN 241 3:3-0
Social Construction of Disability
This course will enable the student to critically explore the traditional and contemporary understanding of disability, as a social construction, from a variety of perspectives: educational, socio-psychological, historical, socio-political, gender and community. Through this course, students will be able to contextualize disability within a broader social context.
Prerequisite: KIN 120

KIN 260 3:3-1.5
Human Anatomy
The study of human anatomy and the application of this knowledge to movement and physical activity. Although the course will focus on muscular and skeletal anatomy, basic anatomy of all systems will be covered.

KIN 261 0-3:3-3
Human Anatomy and Physiology I
An introduction to the anatomy and normal functioning of the human body. The course content includes levels of organization of the human body, cells, tissues, and the integumentary, skeletal, muscular, cardiovascular and respiratory systems. The course takes a holistic approach to understanding and integrating anatomy and physiology in both lecture and laboratory components.
Note: Students will not receive credit for both KIN 261 and BIOL 110; Further, students who have credit for KIN 261 and KIN 262, or BIOL 110 and BIOL 111, cannot take for credit KIN 260, KIN 267 or KIN 268

KIN 262 0-3:3-3
Human Anatomy and Physiology II
A continuation of KIN 261. Further study of the anatomy and normal functioning of the remaining systems (systems involved with integration, control, absorption, excretion and reproduction), integrating anatomy and physiology in both lecture and laboratory components.
Prerequisite: KIN 261
Note: Students will not receive credit for both KIN 261 and BIOL 110; Further, students who have credit for KIN 261 and KIN 262, or BIOL 110 and BIOL 111, cannot take for credit KIN 260, KIN 267 or KIN 268

KIN 267 3:3-3
Human Physiology I
An introductory class that deals with cellular mechanisms and some of the functions and interactions between major physiological systems of the human body.
Prerequisite: KIN 260
Note: Students with KIN 260, KIN 267 and KIN 268 cannot take for credit KIN 261 and KIN 262, or BIOL 110 and BIOL 111

KIN 268 3:3-0
Human Physiology II
An advanced class in the major physiological systems that are involved in the preservation of homeostasis in the human body.
Prerequisite/Corequisite: KIN 267
Note: Students with KIN 260, KIN 267 and KIN 268 cannot take for credit KIN 261 and KIN 262, or BIOL 110 and BIOL 111

KIN 269 3:3-2
Exercise Physiology
The study of the physiological mechanisms involved during physical activity. The course covers the physiological effects of acute and chronic exercise on the metabolic, neuromuscular, respiratory, and cardiovascular systems.
Prerequisite: KIN 267

KIN 275 3:3-0
Introduction to Nutrition
This course will provide an introduction to the macro and micro nutrients vital to health and well-being with specific reference to the Dietary Reference Intakes and the Canada?s Food Guide to Healthy Eating. Emphasis will be on their functions, metabolism and dietary sources.

KIN 278 3:3-3
Introduction to Health Promotion
This course will introduce the students to health promotion across lifespan. Specific emphasis will be on population health principles and approaches across lifespan.
Prerequisite: KIN 170 or KIN 171

KIN 280 3:3-1.5
Motor Learning and Control
This course provides a general introduction to the analysis of motor performance in human movement and sport, with specific application of the neuromuscular, biomechanical and psychological factors that affect motor skill acquisition and performance.
Prerequisite: KIN 260

KIN 281 3-15:15-15
Special Topics in Kinesiology
Courses numbered KIN 281AA-ZZ are special topics courses with in the Bachelor of Kinesiology degree. Special topics courses are those requiring pilot offerings prior to finalization of course content.

KIN 285 3:3-2
Biomechanics
This course provides a general introduction to the fundamental human movement science discipline of biomechanics, a core discipline in many fields such as kinesiology, biomedical engineering, physical and occupational therapy, orthopaedics, ergonimics, etc. This course provides a basis for understanding both qualitative and quantitative human movement anatysis techniques, with specific emphasis and application of functional anatomy, motion capture and classical mechanics (kinematics and kinetics).
Prerequisite: KIN 260
Prerequisite/Corequisite: KIN 267

KIN 308 3:3-0
International Experience Course
An intensive course offering will be delivered in an international location.

KIN 318 3:3-0
Specialty Discipline Course
This course will be delivered in an intensive format by a visiting scholar. Topics are variable.

KIN 341 3:3-0
Physical Disability and Well Being
This course will enable the student to further examine issues facing persons with a physical disability through the understanding of assessment and diversity of functioning. Using theory and practical application, students will critically examine the sociocultural, psychological, and functional aspects of physical disability and their implications on quality of life and well being.
***Prerequisite: KIN 241 ***

KIN 342 3:3-0
Developmental Disability and Well Being
This course will enable the student to further examine issues facing persons with a physical disability through the understanding of assessment and diversity of functioning. Using theory and practical application, students will critically examine the sociocultural, psychological, and functional aspects of developmental disability and their implications on quality of life and well being.
***Prerequisite: KIN 241 ***

KIN 350 3:3-1.5
Fitness Appraisal and Exercise Leadership
The scientific basis of physical fitness appraisal and exercise counselling will be examined, as will the administration of standardized tests of fitness and program leadership. Students will have the opportunity to write the Certified Personal Trainer exam through the Canadian Society for Exercise Physiology.
Prerequisite: KIN 170 and KIN 269

KIN 355 0-3:3-1.5
Training and Conditioning
This course provides an intensive examination of the scientific and methodological theories, techniques, and planning methods utilized in training and conditioning.***Prerequisite: KIN 269 and KIN 285***

KIN 369 3:3-1.5
Advanced Topics in Exercise Physiology
This course examines current methods of appraising performance and prescribing exercise in diverse population ranging from the general population to athletes and individuals involved with physically demanding occupations.
Prerequisite: KIN 269 and KIN 285

KIN 370 3:3-0
Health Psychology
To provide exposure to various social psychological theories and models designed specifically in an attempt to understand health and exercise behaviours.
Prerequisite: KIN 115 and KIN 220; Bachelor of Health Studies Students: PSYC 101 and PSYC 102

KIN 373 3:3-0
Sport Psychology
A study of the psychological theories and concepts used in coaching individual and team sports and the factors related to their implementation. Special emphasis will be given to the theoretical models of anxiety, aggression, and activation.
Prerequisite: KIN 115

KIN 375 3:3-1.5
Care and Prevention of Athletic Injuries
An examination of the causes, symptoms, and appropriate treatment of athletic injuries and an opportunity to practice taping and other techniques used in the treatment and prevention of such injuries.
Prerequisite: KIN 260

KIN 378 3:3-0
Advanced Health and Wellness Promotion
An in-depth examination of health and wellness at the population levels in the context of health and health care trends. The course will also examine the development evidence-based health programs from needs assessment, program plan/implementation and evaluation.
***Prerequisite: KIN 178 ***

KIN 380 3:3-0
Advanced Topics in Motor Behaviour
Theories underlying skill acquisition and control of goal-directed movements will be discussed, with specific emphasis on the practical application these theoretical concepts. Current methods and experimental paradigms will be examined through advanced research topics. Our current understanding of motor behaviour will be guided by the structure and functional organization of the central nervous system.
Prerequisite: KIN 280 and KIN 285
Prerequisite/Corequisite: KIN 220

KIN 381 3-15:15-15
Special Topics in Kinesiology
Courses numbered KIN 381AA-ZZ are special topics courses with in the Bachelor of Kinesiology degree. Special topics courses are those requiring pilot offerings prior to finalization of course content.

KIN 385 3:3-0
Clinical Biomechanics
This course will apply the basic principles of biomechanics to the understanding and assessment of musculoskeletal injury and movement related disorders. It will focus on clinical application and will demonstrate the relationship between biomechanical theory, assessment strategy and pathomechanics in the successful application of knowledge for treatment intervention. It will also encourage and promote independent research and inquiry in the field of biomechanics.
Prerequisite: KIN 285 and KIN 267
Prerequisite/Corequisite: KIN 269

KIN 420 3:3-1
Diversity Issues in Kinesiology, Health, Sport and Recreation
This course examines the relationship between the diversity of the Canadian population and involvement in sport, recreation, exercise and/ or physical activity. Specific areas of focus might include gender, race, ethnicity, sexuality, age, ability, social class, body type, and religion. Current issues will be used for discussion and illustration.
Prerequisite: Completion of 60 credit hours, including KIN 110, and KIN 120.

KIN 447 3:3-0
Seminar in Adapted Movement Science
A critical examination of historical and contemporary trends and assumptions besetting activity for persons with disabilities.
Prerequisite: Completion of 75 credit hours which includes KIN 241 and one of KIN 341 or KIN 342

KIN 450 3:3-1
Advanced Fitness Appraisal (CEP Preparation)
This course will examine advanced issues involving the physiological assessment, response, and adaptations from different exercise modalities. Topics include musculoskeletal morphology, exercise fatigue, cardiovascular kinetics, and endocrinology. This is a preparatory course for the Canadian Society for Exercise Physiology- Certified Exercise Physiologist (CEP), the highest exercise designation in Canada.
Prerequisite: KIN 350

KIN 475 3:3-0
Sport Nutrition and Exercise Metabolism
This course examines the basic principles of nutrition, including Dietary Reference Intakes, macro and micro nutrients and the important role that nutrition plays in sport, recreation, and athletic performance. The role of ergogenic aids, exercise metabolism and sports nutrition will also be examined.
Prerequisite: KIN 170, KIN 275, and KIN 269.

KIN 478 3:3-0
Health Promotion for Diverse Populations
This course will focus on health promotion principles across diverse populations within and outside Canada.
Prerequisite/Corequisite: KIN 378

KIN 481 3-15:15-15
Special Topics in Kinesiology
Courses numbered KIN 481AA-ZZ are special topics courses with in the Bachelor of Kinesiology degree. Special topics courses are those requiring pilot offerings prior to finalization of course content.

KIN 485 3:3-0
Pathophysiology of Human Movement
Capacities for movement will be examined relative to structural and functional changes as a result of aging and/or progression of disease among individuals with specific cardiovascular, physical, and/or neuromuscular impairments.
Prerequisite: KIN 220 and KIN 280
Prerequisite/Corequisite: KIN 350

KIN 491 3:3-0
Variable Topic/Directed Reading an AA-ZZ series
An opportunity for senior students to pursue an in-depth analysis of a topic related to their area of interest/ major area of study. This must be supervised by a faculty member and approved by the Associate Dean (Undergraduate), or designate.
Prerequisite: Minimum 70.00% PGPA

KIN 498 3:0-0
Honours Proposal
Supervised directed study and research leading to the development of a formal undergraduate thesis proposal for work to be conducted in KIN 499 (Honours Thesis).
***Prerequisite: KIN 220 ***

KIN 499 3:3-0
Honours Thesis
A thesis based on research previously proposed in KIN 498 (Honours Proposal). Formal approval of the research topic is given by attaining a minimum grade of 70% in KIN 498 (Honours Proposal). The thesis will be presented orally in an open forum.
Prerequisite: KIN 498

KOR Korean

KOR 111 3:0-1
Introductory Korean I
This course is designed to give students a basic knowledge of the Korean language. At first, students will learn the writing system and pronunciation of Hang'ul. Grammar, vocabulary and expressions needed for everyday conversations and for reading and writing short texts will then be introduced.
Prerequisite: No previous background in Korean

KOR 112 3:0-1
Introductory Korean II
A continuation of KOR 111.
Prerequisite: KOR 111 or permission of Department

LANG Language

LANG 001 0:2-0
Proficiency Examination - an AA-ZZ series.
Those who wish to satisfy the language requirement for the BA degree by taking a proficiency examination in a language other than English will register in this course. A two-hour written examination will be held once each term. No credit hours are given for the examination. Graded on a pass/fail basis. Fee: 40% of a regular course fee (non-refundable).
** Permission of the Department of International Languages is required to register. **

LANG 190 3:3-0
Language Courses - an AA - ZZ series
These courses will be developed to give students an introduction to and basic knowledge of a specific language.

LG Local Government Authority

LG 200 3:3-0
Local Government Authority in Saskatchewan
This course introduces the fundamental concepts of society, democracy and principles of local government administration in the Saskatchewan context. Topics include: local government democratic values, public administration principles and values, municipal policy making, elected officials responsibilities, communication, public relations, local government finance, budgeting and ethical decision-making. *Note: Formerly numbered LG 014. Students may receive credit for only one of LG 014 or LG 200. *

LG 202 3:3-0
Local Government Legislation and Statute Law
An introduction to Saskatchewan legislation relevant to municipal government processes, procedures and authority. Topics include case law, statute law, contracts, preparation and interpretation of bylaws, interpretation of statutes and detailed study of Government of Saskatchewan Acts governing rural, urban and Northern municipalities.
*Note: Formerly numbered LG 015. Students may receive credit for only one of LG 015 or LG 202. *

LG 204 3:3-0
Basic Accounting Practices
This course presents the fundamentals of financial accounting theory and practice at the introductory level. Basic accounting principles, their application in modern business organizations, the praparation of business records and financial reports are considered.
Note: Formerly numbered LG 024. Students may receive credit for only one of LG 024 or LG 204.
Note: Students may substitute BUS 285 for LG 204 within the LGA Certificates.

LG 206 3:3-0
Local Government Accounting
An examination of the history, purposes and principles of local government accounting, budgeting, audits, assessment and taxation. Emphasis is placed on Urban and Rural Municipalities and School Division accounting.
***Prerequisite: BUS 285 or LG 204 or 024. ***
*Note: Formerly numbered LG 025. Students may receive credit for only one of LG 025 or 206. *

LING Linguistics

LING 100 3:3-0
Introductory Linguistics
An introduction to the main subdisciplines of linguistic inquiry: phonetics (speech sounds), phonology (sound patterns), morphology (word structure), syntax (sentence structure) and semantics (meaning).
*Note: Students who have completed ENGL 260 or FR 226 are not permitted to enrol in this course. *

LING 210 3:3-0
Phonetics and Phonology
The identification and production of speech sounds. Phonetic transcription. Study of the sound patterns of various languages.
***Prerequisite: One of LING 100, CREE 206, ENGL 260, FR 226, NAK 206 or SAUL 206 ***

LING 211 3:3-0
Morphology
Word formation in languages, grammatical categories and morphological typologies. Inflectional and derivational categories. Morphology in selected theoretical frameworks.
***Prerequisite: One of LING 100, CREE 206, ENGL 260, FR 226, NAK 206 or SAUL 206 ***

LING 212 3:3-0
Semantics
The study of meaning in language. Morpheme and word meaning, text meaning. Semantic components, domains/fields, and roles. Predictable variants of meaning, contexts, dictionaries, metaphors, cognition, Pragmatics, logic.
***Prerequisite: One of LING 100, CREE 206, ENGL 260, FR 226, NAK 206 or SAUL 206 ***

LING 213 3:3-0
Syntax
An introduction to grammatical analysis and syntactic variation cross-linguistically. Application to the analysis of grammatical structure of various languages.
***Prerequisite: One of LING 100, CREE 206, ENGL 260, FR 226, NAK 206 or SAUL 206 ***

LING 220 3:3-0
Interdisciplinary Linguistics
Basic introduction to historical linguistics, language acquisition, writing systems, sociolinguistics, psycholinguistics, and other interdisciplinary areas of language study.
***Prerequisite: One of LING 100, CREE 206, ENGL 260, FR 226, NAK 206 or SAUL 206 ***

LING 230 3:3-0
Survey of American Indian Languages
Introduction to the classification of the Indigenous Languages of the Americas, with specific focus on Canada. Topics will include language in its social and cultural contexts, genetic and areal classification, selected linguistics structures and semantic systems, written and non-verbal communication systems.
***Prerequisite: completion of 30 credit hours of University study or permission of the department head ***
Note: Formerly numbered LING 175. Students may receive credit for only one of LING 175 or 230.

LING 270 3:3-0
Sociolinguistics
The study of language from the perspective of linguistics. Topics may include: linguistic variation in space and time; language and social class, gender, and identity; diglossia, multilingualism and code switching; language birth and death, language revitalization and maintenance; language(s) in Canada and language policies.
Prerequisite: completion of 30 credit hours of University study.

LING 280 3:3-0
Language Documentation
This course will provide an introduction to the tools and techniques of language documentation. Focus will be given to the practical recording, preparation and presentation of linguistic data from the Indigenous Languages of the Americas.
Prerequisite: LING 100 or completion of the Arts Language Requirement.

LING 320 3:3-0
Historical Linguistics
Investigation of the ways in which languages change over time. Reconstruction of the older stages of a language through comparison with related languages. Reconstruction of the common ancestor language of related languages.
***Prerequisite: LING 210 and 211, and one of CLAS 110, LING 212, LING 213, or LING 220 ***

LING 325 3:3-0
First Language Acquisition
The course will provide information about how children acquire language from their initial, prenatal speech perception abilities until they can comprehend and produce complex sentences. The core areas of phonological, lexical, morphological and syntactic acquisition will be surveyed.
***Prerequisite: LING 220 or permission of the department head ***
It is recommended that students take LING 210 in preparation for this course.

LING 327 3:3-0
Evaluation of Language Learning Processes
The cognitive and social aspects of second language mastery, and the processes of bilingual/bicultural development. Strategies for enhancing second language learning and acquisition with particular reference to First Nations languages.
***Prerequisite: LING 220 or an introductory course in the teaching of English or French as a second language ***

LING 360 3:3-0
Applied Linguistics
An introduction to the use of Linguistics in the teaching and learning of First Nations languages. A survey of topics including communication and structure, cross-linguistic influence, teaching pronunciation, morphology, syntax and semantics, applications to orthography and literacy, etc.
***Prerequisite: One of CREE 206, NAK 206, SAUL 206, or LING 100, and two 300-level CREE or SAUL courses or two 200-level LING courses. ***

LING 380 3:3-0
Research Methods of Linguistics
Field methods and interview techniques. Library and archival research. Introspection in linguistic research. Formulation of alternative hypotheses and use of argumentation in choosing among them. Ethics of research. Scientific method.
***Prerequisite: LING 210 and LING 211 ***

LING 410 3:3-0
Seminar in Phonology
Consolidation of expertise in phonetic transcription, production, and phonological analysis. Common phonological processes. Contemporary phonological theory. Abstractness, naturalness, rule ordering, and rule interaction.
Prerequisite: LING 210 or permission of the department head of Indigenous Languages, Arts and Cultures.

LING 411 3:3-0
Seminar in Morphology
Morphological processes and structures. Complex systems. Evolution of morphological categories and language universals. Morphology in selected theories.
Prerequisite: LING 211 or permission of the department head of Indigenous Languages, Arts and Cultures.

LING 412 3:3-0
Seminar in Semantics
Semantic processes and structures. Semantic theories. Application of semantics in language acquisition and teaching. Diachronic semantics.
***Prerequisite: One of LING 212, CREE 312, or SAUL 312 ***

LING 413 3:3-0
Seminar in Syntax
Contemporary syntactic theory. An examination of competing frameworks for syntactic analysis: relational grammar, transformational grammar, typological approaches. Natural syntax.
***Prerequisite: One of LING 213, CREE 313, or SAUL 313 ***

LING 480 3:3-0
Linguistic Fieldwork
Practical application of field methods and interview techniques to the study of First Nations and other indigenous languages. Formulation of alternative hypotheses pertaining to data gathered in interviews. Hypothesis testing and use of argumentation in hypothesis assessment. Data analysis and presentation.
Prerequisite: LING 380 and permission of the department head

LING 485 3:3-0
Structure of a Selected Language - an AA-ZZ series.
The major grammatical structures of a selected language or language family in typological, areal, and genetic contexts. Contributions to current issues in theoretical linguistics.
** Permission of the Coordinator of Linguistics or Head, Department of Indian Languages, Literatures, and Linguistics is required to register. **

LING 490 3:3-0
Directed Individual Research in Linguistics - an AA-ZZ series.
Courses designed as required for senior undergraduates.
***Prerequisite: One of LING 410, LING 411, LING 412, or LING 413 ***
** Permission of the Coordinator of Linguistics or Head, Department of Indian Languages, Literatures, and Linguistics is required to register. **

LING 495 3:3-0
Directed Individual Research in Linguistics - an AA-ZZ series.
Courses designed as required for senior undergraduates.
***Prerequisite: One of LING 410-413 ***
** Permission of the Coordinator of Linguistics or Head, Department of Indian Languages, Literatures, and Linguistics is required to register. **

LING 496 3:3-0
Topics in Descriptive, Theoretical, or Applied Linguistics - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates.
** Permission of the Coordinator of Linguistics or Head, Department of Indian Languages, Literatures, and Linguistics is required to register. **

LING 497 3:3-0
Topics in Descriptive, Theoretical, or Applied Linguistics - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates.
** Permission of the Coordinator of Linguistics or Head, Department of Indian Languages, Literatures, and Linguistics is required to register. **

LING 498 3:3-0
Topics in Descriptive, Theoretical, or Applied Linguistics - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates.
** Permission of the Coordinator of Linguistics or Head, Department of Indian Languages, Literatures, and Linguistics is required to register. **

LING 499 3:3-0
Topics in Descriptive, Theoretical, or Applied Linguistics - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates.
** Permission of the Coordinator of Linguistics or Head, Department of Indian Languages, Literatures, and Linguistics is required to register. **

MAP | Media, Art, and Performance

MAP 001 0:2-0
Strategies for Success
A non-credit introductory seminar to the University and the Faculty of Media, Art, and Performance.
Students will be introduced to the variety of resources and services available to them and their roles and responsibilities as members of the university and fine arts communities. The seminar will also provide students with degree and career possibilities. This required course must be completed within the completion of 30 credit hours of study. Students who are placed on academic probation before completing 60 credit hours of study or who have received a Must Withdraw academic action on their transcript must repeat this course.
Note: Normally offered in the fall term only
Note: Indian Fine Arts students taking or who have taken INDG 104 are not required to take this course
Note: Students may only receive credit for one of FA 001 and MAP 001

MAP 100 3:3-0
Selected Topics
Selected topics in interdisciplinary studies in Media, Art, and Performance at the 100 level.

MAP 101 3:3-0
Introduction to Pop Culture
This course will begin to map the terrain that is Pop Culture. The changing ground of pop culture has been mapped by different theoretical and methodological approaches in ways that are not historically fixed. This course provides an introduction to the theories, practices and evolving legacy of pop culture.

MAP 102 3:1-0
Exploring Cultural Regina
This course focuses on experiential learning. Students will visit a wide variety of cultural institutions across the city, exploring and critically interacting with many of Regina?s creative organizations.
Note: Students cannot receive credit for both MAP 102 and MAP 212
Note: Pop Culture Option
Note: Cannot be taken after a student has completed more than 60 credit hours in residency at the University of Regina.

MAP 200 3:3-0
Selected Topics
Selected topics in interdisciplinary studies in Media, Art, and Performance at the 200 level.

MAP 201 3:3-0
Global Migrations
Globalization is an issue that traverses political, cultural and representational forms today. This course explores multiple interdisciplinary topics of importance to thinking globalization including: "wonder" of the new world; Africa the "dark continent"; voyages of "discovery"; colonial villages at early World Fairs; global terrorism; and contemporary art of "migration".
Note: Students may only receive credit for one of FA 201 and MAP 201

MAP 202 3:3-0
Indigenous Issues in the Arts
This course provides an overview of both pre-contact and contemporary issues related to Indigenous arts--visual, performance, music, film, theatre and storytelling. Further, the course will explore issues such as treaties, colonial issues, stereotypical representation and how artists and scholars have responded to such issues in the arts.
Pre-requisite: 24 credit hours or permission of the instructor
Note: Students may only receive credit for one of FA 202 and MAP 202

MAP 203 3:3-0
Musicals on Stage and Screen
This course examines the similarities and radical differences in the development of the spectacles of the American musical and the American movie musical. It places emphasis on issues of identity and social commentary as evidenced in some of the most important musicals of the past century. This course is NOT performance based.
Pre-requisites: completion of 24 credit hours or permission of instructor.
NOTE: Students may only receive credit for one of MAP 203, FA 203 or FA 300 AL

MAP 204 3:3-0
Prairie Gothic
This course will explore themes and tropes of prairie gothic across a variety of visual, performative and written texts.
Note: Pop Culture Option

MAP 205 3:3-0
Fashion and Hollywood
From the earliest days of movie making Hollywood positioned itself as the epitome of style. This course examines the connections between fashion and Hollywood and how with the rise of mass entertainment Hollywood became the runway of the people.
Note: Pop Culture Option

MAP 206 3:0-0
Shoes: The Power of the Heel
From foot binding to platform heels to the bird inspired stilettos of Alexander McQueen and Cinderella?s glass slipper, this course examines the meaning of shoes as an outward signifier of personal identity and as social construct.
Note: Pop Culture Option

MAP 207 3:3-0
Underwear and Social Meaning
From corsets and crinolines to thongs and briefs, underwear has played a major role in the construction of personal and social identity. This course will examine major trends in the development of underwear with a special focus on its historic role as framing, exploiting and containing sexual and gender roles.
Note: Pop Culture Option

MAP 208 1-3:3-0
The Business of Fashion
o the products arrive in stores? What happens to unsold stock and how to plan stock levels? Why some retailers are successful and others are not? The course introduces students to the fundamentals of the fashion cycle: marketing, merchandising and buying.
Note: Students may receive credit for one of MAP 200AA or MAP 208.

MAP 212 3:1-0
Engaging Cultural Regina
This course focuses on experiential learning. Students will visit a wide variety of cultural institutions across the city. Students will explore, respond, and critically engage with a number of Regina?s creative/cultural organizations.
Prerequisites: Completion of 30 credit hours
Note: Pop Culture Option
Note: Students cannot receive credit for MAP 212 and MAP 102

MAP 299 1-3:3-0
Community Engaged Practice
This course gives students the opportunity to work in collaboration with the Michele Sereda Artist in Residence on an artistic/cultural project focused on social and community engagement.
Prerequisites: Completion of 30 credit hours or permission of Associate Dean (Undergraduate)

MAP 300 3:3-0
Selected Interdisciplinary Topics in Fine Arts - an AA-ZZ series.
Interdisciplinary courses designed as required for groups of senior undergraduates.
Note: Students may only receive credit for one of MAP 300XX and FA 300XX

MAP 301 3:3-0
Mapping Illness
What does it mean to represent the diseased body? What are the relations between health, illness, Other-ness and deviance in representation? As several interdicsiplinary investigations of the body in crisis this course will look at how illness has been represented from the sixteenth century to the present.
Prerequisite: Completion of 30 credit hours
Note: Students may only receive credit for one of FA 301 and MAP 301

MAP 302 3:3-0
Queer: Cultures and Theories
An interdisciplinary investigation of contemporary queer theory and ideas. Partially based upon guest presentations from specialists in their fields, this course provides students with a critical framework for thinking about queer issues today. Topics: GLBTQ histories and theories; issues of representation; queer art, cinema, literature; queer issues in cross-cultural perspectives.
Prerequisite: Completion of 30 credit hours
Note: Students may only receive credit for one of FA 302 and MAP 302

MAP 303 3-6:6-0
The Politics and Performance of Food: Spectacle / Revenge / Abstinence
This course examines historic and current uses of food in performance, film and art - as an affective element of spectacle and as potent signifier. Students will approach this investigation through critical texts, the work of key artists in this area and through creative projects.
Note: Pop Culture Option
Note: Students cannot receive credit for both FA 300 AM and MAP 303.

MAP 400 3:0-0
Selected Topics in Media, Art, and Performance
Interdisciplinary courses designed as required for groups of senior undergraduates.

MAP 401 3:3-0
Arts Administration
This course will introduce students to basic concepts in arts administration, including the process of managing and marketing an arts organization, and examining models for funding arts organizations. The course will use a case-based approach to examine how film, music, theatre and visual arts organizations are run.
Prerequisites: 60 credit hours, BUS 260 and one of BUS 210, BUS 250, BUS 285
Note: Students may only receive credit for one of FA 401and MAP 401

MAP 402 3:0-0
Theory and Photo-Based Practices
This seminar uses photography to develop familiarity with foundational social, philosophical, and ideological theories of representation and interpretation that have influenced fine arts practices since 1839. The seminar will inquire in to the distinctive uses of photography as art/not art, highlighting the diversity of image practices within the fine arts.
Prerequisites: 60 credit hours or permission of the Instructor
Note: Art History Program Option
Note: Creative Technologies Program Option
Note: Cultures of Display Program Option
Note: Students may only receive credit for one of FA 402 and MAP 402

MAP 499 3-15:15-0
Professional Placement
The Professional Placement option is an experiential learning course giving students the opportunity to further their knowledge and skill set(s) within an institution related to their major. Typically the field work is done off campus. The project or terms of the placement will be developed through consultation between the home department, the student and the institution. Supervision is jointly undertaken by the host institution and a faculty member from the student's home department. Can be taken as a P/F only.
Prerequisites: Successful completion of 60 credit hours and permission of department head.

MATH Mathematics

MATH 051 0:0-0
Mathematics Co-op Work Term
Four-month co-op work term approved by the department and arranged by the co-op coordinator.

MATH 052 0:0-0
Mathematics Co-op Work Term
Four-month co-op work term #2 approved by the department and arranged by the co-op coordinator.
***Prerequisite: MATH 051 ***

MATH 053 0:0-0
Mathematics Co-op Work Term
Four month co-op work term #3 approved by the department and arranged by the co-op coordinator.
***Prerequisite: MATH 052 ***

MATH 054 0:0-0
Mathematics Co-op Work Term
Four month co-op work term #4 approved by the department and arranged by the coop coordinator.
***Prerequisite: MATH 053 ***

MATH 101 3:3-0
Introductory Finite Mathematics I
This is an introductory course intended to familiarize the students with the basic concepts of arithmetic, number theory, set theory, symbolic logic, and finite mathematics. Topics include logic, sets, numeration systems, arithmetic in non-decimal systems, system of integers, elementary number theory and modular arithmetic. There will be a strong emphasis on critical thinking, problem solving, understanding concepts and their applications.
Prerequisite: University Admission.
Note: Students who have received credit for any mathematical course (other than MATH 108) cannot take this class for credit, unless it is explicitly required in their program or they have received consent from the Head of the Department of Mathematics and Statistics.

MATH 102 3:3-1
Mathematical Modelling and Precalculus
A course in problem solving through the use of mathematical models involving algebraic, exponential, logarithmic, and trigonometric functions and their graphs. The purpose of this course is to enhance students? abilities to express, visualize, and model real-world problems through an understanding of common functions and their graphs.
Prerequisite: Any one of the following: Foundations of Mathematics 30, Precalculus 20, Math B30, Math C30, or AMTH 092
Note: Students who have received credit in Math 103 or 110 cannot take Math 102 for credit

MATH 103 3:3-1
Applied Calculus I
Differentiation of algebraic, exponential, and logarithmic functions. Optimization, curve sketching, and integration by substitution.
Prerequisite: Precalculus 30 or Mathematics B30 with a grade of at least 65% or AMTH 092 with a grade of at least 80%, or Math102
Note: Although Math 103 leads to Math 112, students who require three or more calculus-based courses should take Math 110 instead of Math 103. Students will only receive credit for one of MATH 103 or 110

MATH 108 3:3-0
Mathematical Problems, Ideas and Personalities
This course explores some of the most significant and enduring ideas in mathematics: the great theorems, discoveries of beauty and insight that stand today as monuments to the human intellect.
Prerequisite: Precalculus 20 or Foundations of Math 20 or Math A30 or AMTH 092
*Note: This course is designed mainly for students in arts or education who wish some exposure to mathematical ideas. It satisfies the critical thinking requirement in the Faculty of Arts.

MATH 110 3:3-1
Calculus I
An introductory class in the theory and techniques of differentiation and integration of algebraic and trigonometric functions. Topics include limits, optimization, curve sketching, and areas.
Prerequisite: Precalculus 30 with at least 75%, or Calculus 30 or Mathematics B30 and C30 with a grade of at least 65% in each or Math 102
Note: Students can receive credit for only one of MATH 103 or 110

MATH 111 3:3-1
Calculus II
Differentiation and integration of exponential and logarithmic functions; methods of integration and applications; indeterminate forms, L'Hospital's rule and improper integrals; sequences, series, power series and Taylor series.
Prerequisite: MATH 110, or MATH 103 with a grade of at least 80%

MATH 112 3:3-1
Applied Calculus II
An introduction to calculus in two and three variables, first-order differential equations, infinite series, and calculus of trigonometric functions.
Prerequisites: MATH 103 and Precalculus 30, or MATH 110
Note: MATH 112 is a terminal course and is not intended for students who require further calculus courses. Students will receive credit for only one of MATH 111 and 112

MATH 116 3:3-0
Mathematics of Finance I
This course provides a basis of financial mathematics. Topics include measurement of interest, basic and general annuities, yield rates, amortization schedules, and sinking funds.
Prerequisite: MATH 103 or 110.
Note: Students can receive credit for only one of MATH 116 and ACSC 116

MATH 122 0-3:3-1
Linear Algebra I
A course intended to introduce students to elementary linear algebra, particularly at a computational and applied level. Topics include matrices and systems of equations, inversion, determinants, vectors, inner products, eigenvectors and eigenvalues.
Prerequisite: Precalculus 30, Mathematics B30 and C30, or Math 102.

MATH 124 3:3-0
The Art and Science of Secret Writing
The course examines methods of message encryption and cryptoanalysis. Attention will be given to the history of cryptology and the public-policy questions raised by its use in conjunction with the Internet. However, the focus will be on the mathematical tools needed to develop and analyze encryption algorithms.
***Prerequisites: Foundations of Math 30 or Precalculus 20 or Math B30 or AMTH 092 ***

MATH 127 3:3-0
Introductory Finite Mathematics II
Elementary linear programming, counting methods involving permutations and combinations, probability, statistics, regression, and consumer mathematics including interest calculations, annuities and amortizations.
Prerequisite: Foundations of Math 20 or Precalculus 20 or Math B30 or AMTH 092 or MATH 101
Note: Mathematics 127 is not algebra, nor pre-calculus, nor calculus. It satisfies the critical thinking requirement in the Faculty of Arts.

MATH 213 3:3-0
Vector Calculus
A study of vector functions and functions of several variables and their derivatives; Applied maximum and minimum problems, Lagrange multipliers, multiple integration, integration in polar, cylindrical and spherical coordinates; Green's, Stokes' and the Divergence Theorem.
Prerequisite: MATH 111 and 122

MATH 216 3:3-0
Mathematics of Finance II
This course is a continuation of Mathematics of Finance I and covers more advanced topics ranging from the theory of interest to principles of corporate finance. Specific topics include bonds, securities, analysis of risk and basic principles of pricing theory.
Prerequisite: MATH 116 or ACSC 116
Note: Students can receive credit for only one of MATH 216 and ACSC 216

MATH 217 3:3-0
Differential Equations I
Ordinary differential equations, modelling with differential equations, Laplace transforms.
Prerequisite: MATH 111 and MATH 122

MATH 221 3:3-0
Introduction to Proofs and Problem Solving
An introductory course intended to familiarize students with mathematical reasoning and proof techniques, including direct reasoning, indirect reasoning, and mathematical induction. Topics include elementary number theory, logic, sets, functions, and relations.
Prerequisite: Two university math courses beyond MATH 102.

MATH 222 3:3-0
Linear Algebra II
A second course in linear algebra. There will be some emphasis on proofs. Topics include matrices, abstract vector spaces, subspaces, bases, inner product spaces, linear transformations, matrix factorizations, symmetric matrices, quadratic forms, and applications of linear algebra.
Prerequisite: MATH 122, and one of MATH 103 or 110.

MATH 223 3:3-0
Introduction to Abstract Algebra
An introductory course in abstract algebra. Topics include number systems and an introduction to groups, and some other mathematical structures.
Prerequisite: MATH 221.

MATH 231 3:3-0
Euclidean Geometry
This course is intended to familiarize the student with Euclidean geometry. Topics include the postulates and theorems of both classical and modern Euclidean geometry.
Prerequisite: MATH 221
Note: This course is designed for students without a strong background in Euclidean geometry. Students with a mark of at least 70% in either Mathematics C30 or Precalculus 30 should register in MATH 331

MATH 251 3:3-0
Introduction to Probability
Basic notions of probability; discrete and continuous random variables; expectation; moment generating functions; joint discrete random variables.
Prerequisites: MATH 111 or MATH 112 and one of STAT 160 or STAT 200
Note: Students can receive credit for only one of MATH 251 and STAT 251

MATH 261 3:3-2
Methods of Numerical Analysis
Number systems and errors, solutions of polynomial and other nonlinear equations, interpolation, numerical differentiation and integration, the cubic spline.
***Prerequisite: MATH 111, MATH 122, and CS 110 ***
*Note: Students will receive credit for only one of CS 261, CS 345 or MATH 261. *

MATH 300 3:3-0
Introduction to Set Theory
Sets, relations, and operations on them. Natural numbers. Finite and infinite sets, ordinals and cardinals. Recursion theorems. Arithmetic of cardinals and ordinals. A brief introduction to set-theoretic topology. Construction of the real numbers and basic properties.
Prerequisite: MATH 221.

MATH 301 3:3-0
Introduction to Mathematical Logic
Propositional and first-order predicate logic from a mathematical viewpoint. Axiomatically built theories and their models. Detailed study of one or more simple mathematical theories. Recursive functions. Basic ideas of automated theorem proving.
Prerequisite: MATH 221.

MATH 305 3:3-0
Introductory Mathematical Analysis
Cardinality, real numbers and their topology, sequences, limits, continuity, and differentiation for functions of one real variable.
Prerequisite: MATH 221 and 111.
Note: This course is designed for students interested in majoring in Mathematics. Students considering a degree in Mathematics with Honours are encouraged to complete this course by the end of their second year.

MATH 308 3:3-0
Topics in the History of Mathematics
A survey of the history of mathematics, focusing on mathematics developed before 1850. Topics may include mathematics of ancient cultures, cultural aspects of mathematics, how mathematics developed around the world, famous mathematicians and classical mathematics texts. This course is designed for majors in mathematics or mathematics education with a solid background in mathematics. It will be offered in the winter term, alternating with MATH 309.
Prerequisite: MATH 111, 122, and 221.

MATH 309 0-3:3-0
Topics in Modern Mathematics
A survey of modern mathematics, examining the objectives of mathematical advancement, important modern results in mathematics, mathematicians of the modern era, and the influences of modern mathematics on contemporary science. The focus of this course will be on mathematics after Gauss (post 1850). The emphasis will be on general modern approaches to mathematical problems and the philosophy of mathematics, rather than specific results. Topics will include (but are not limited to): the nature of mathematical knowledge, origins of modern mathematics, biographies of mathematicians and the influence of mathematics on contemporary science.
Prerequisite: MATH 111, 122 and 221.
Note: This course is designed for majors in mathematics or mathematics education with a solid background in mathematics. It will be offered in the winter term, alternating with MATH 308.

MATH 312 3:3-0
Complex Analysis I
Complex numbers, analytic functions, contour integration, Cauchy's theorem, infinite series, calculus of residues, basic theory of conformal mappings.
Prerequisite: MATH 213.

MATH 313 3:3-0
Mathematical Analysis II
The Riemann integral for functions of one variable, sequences and series of functions, differentiation and integration for functions of several variables.
Prerequisites: MATH 213 and MATH 305.

MATH 316 3:3-0
Mathematics of Finance III
This course covers the theory and pricing of financial derivatives such as Puts and Calls, with particular emphasis on the Black-Scholes model.
Prerequisite: MATH 216 or ACSC 216, and STAT 251
Note: Students can receive credit for only one of MATH 316 and ACSC 316

MATH 317 3:3-0
Real Analysis I
Construction of the real numbers, structure of metric spaces, continuous functions on metric spaces, convergence of series, differential equations.
Prerequisite: MATH 217 and 313.

MATH 321 3:3-0
Number Theory I
This is an introductory course in number theory. Topics include divisibility, primes, congruences, number theoretic functions, and diophantine equations.
Prerequisite: MATH 221

MATH 322 3:3-0
Matrix Theory
Topics include: positive definiteness, Jordan canonical form, nonnegative matrices, and applications in matrix analysis.
Prerequisite: MATH 222.

MATH 323 3:3-0
Modern Algebra I
A course in abstract algebra dealing with groups, rings, unique factorization domains and fields.
Prerequisite: MATH 223.

MATH 327 3:3-0
Introductory Combinatorics
This is an introductory course in combinatorics. Topics include permutations and combinations, inclusion and exclusion, generating functions, and a brief introduction to graph theory.
Prerequisite: MATH 221 and 111.

MATH 329 3:3-1
Linear and Discrete Optimization
A course in the theory and techniques of linear programming; convexity and extreme points of polyhedral sets, the simplex method, duality and selected applications will be covered.
Prerequisite: CS 110, MATH 122 and MATH 221 or permission of department head.

MATH 331 3:3-0
Non-Euclidean Geometry
This course gives an explaination of the nature and foundations of geometry and uses for this purpose the systems of non-Euclidean geometry. It outlines the concept of mathematical models and the historical and logical significance of the parallel postulate.
Prerequisite: MATH 110, and one of MATH 122 or MATH 231.
Note: Students may receive credit for only one of MATH 232 and MATH 331.

MATH 361 3:3-0
Numerical Analysis I
Least squares and other approximations. Difference equations. Solutions of algebraic systems. Symbol manipulators-Mathematica.
Prerequisite: MATH 213 and either MATH 261 or CS 261.

MATH 381 3:3-0
Differential Equations II
Series solutions of linear equations, systems of linear first-order equations, Fourier series, boundary-value problems, integral transforms, and numerical methods.
Prerequisite: MATH 217.

MATH 382 3:3-0
Ordinary Differential Equations
Existence and uniqueness of solutions, linear systems, non-linear equations, stability, Liapunov's method, applications.
Prerequisite: MATH 217.

MATH 395 1-3:3-0
Directed Reading in Mathematics - an AA-ZZ series.
Prior to the registration of the student(s) the instructor must present to the department head a detailed outline of the material to be covered, the method of delivery, and the method of evaluation.

MATH 396 1-3:3-0
Directed Reading in Mathematics - an AA-ZZ series.
Prior to the registration of student(s) the instructor must present to the department head a detailed outline of the material to be covered, the method of delivery, and the method of evaluation.

MATH 397 1-3:3-0
Directed Reading in Mathematics - an AA-ZZ series.
Prior to the registration of the student(s) the instructor must present to the department head a detailed outline of the material to be covered, the method of delivery, and the method of evaluation.

MATH 398 1-3:3-0
Directed Reading in Mathematics - an AA-ZZ series.
Prior to the registration of the student(s), the instructor must present to the department head a detailed outline of the material to be covered, the method of delivery, and the method of evaluation.

MATH 399 1-3:3-0
Directed Reading in Mathematics - an AA-ZZ series.
Prior to the registration of the student(s), the instructor must present to the department head a detailed outline of the material to be covered, the method of delivery, and the method of evaluation.

MATH 401 3:3-0
Matrix Groups
An introduction to Lie group theory through study of the classical groups.
***Prerequisite: MATH 305 and 323 ***

MATH 411 3:3-0
Real Analysis II
Measurable functions, Lebesgue integrals, Lp spaces, modes of convergence, signed measures, Radon-Nikodym Theorem.
Prerequisite: MATH 313.

MATH 412 3:3-0
Complex Analysis II
This is a continuation of MATH 312. Topics include conformal mappings, argument principle, Rouche's theorem, harmonic functions, Riemann Mapping Theorem, infinite products, asymptotic expansions.
Prerequisite: MATH 312.

MATH 416 3:3-0
Introduction to Quantum Information Theory
A first course in the mathematics of quantum information theory. Topics include information measures, quantum states and observables, qubits, entanglement, quantum channels, entropy, and measurements.
Prerequisite: MATH 305 or MATH 312 or MATH 322, or permission of the department head

MATH 420 0-3:3-0
Introduction To Commutative Algebra
A first course in commutative algebra. Topics include prime and maximal ideal, radicals, Nakayama's Lemma, exact sequences, tensor products, localization, Noetherian and Artinian rings. Additional topics may vary. This class is designed for advanced students in disciplines such as Mathematics and Computer Science who want to learn some commutative algebra.
Prerequisite: MATH 222 and MATH 323

MATH 421 3:3-0
Number Theory II
This course is a second course in number theory. Topics include quadratic reciprocity, arithmetic functions, distribution of primes, and the prime number theorem.
Prerequisite: MATH 321, 305, and 312.

MATH 422 3:3-0
Abstract Linear Algebra
A course which presents linear algebra in a theoretical setting. Topics include vector spaces, dual spaces, linear transformations, Jordan canonical form, the spectral theorem, and selected topics.
***Prerequisite: MATH 222 and MATH 323. ***

MATH 423 3:3-0
Modern Algebra II
Continuation of Modern Algebra I with further study of rings, groups and fields.
Prerequisite: MATH 323.

MATH 424 3:3-0
Applied Algebra
This is a course in applications of algebra to a selection of topics concerning enumeration, coding, finite state machines and cryptography.
Prerequisite: MATH 223.

MATH 426 3:3-0
Combinatorial Matrix Theory
A survey of some of the topics from combinatorial matrix theory including: spectral graph theory and algebraic graph theory.
Prerequisite MATH 222 and 327.

MATH 427 3:3-0
Graph Theory
This course is a survey of topics in graph theory. Topics may include the following: matchings and factorizations, connectivity, colouring, isomorphisms, homomorphisms, automorphism groups and transitive graphs, extremal problems, adjacency matrices, spectral graph theory, strongly regular graphs, Cayley graphs, Ramsey theory and random graphs
Prerequisite: MATH 223 and 327.

MATH 431 3:3-0
Differential Geometry I
Differential invariants of curves and surfaces in Euclidean three-space.
Prerequisite: MATH 217.

MATH 432 3:3-0
Differential Geometry II
Continuation of topics covered in Differential Geometry I.
Prerequisite: MATH 431.

MATH 438 3:3-0
Associative Algebras, Groups, and Representation Theory
An introductory course on the fundamental results concerning associative algebras, groups, and the representation theory of groups and algebras.
Prerequisite: MATH 222 and MATH 323

MATH 441 3:3-0
General Topology
An introduction to point set topology including separation axioms, compactness, connectedness, continuous functions and metric spaces.
Prerequisite: MATH 305.

MATH 461 3:3-0
Numerical Analysis II
Numerical solutions of ordinary differential equations; numerical solutions of partial differential equations; linear and non-linear problems.
Prerequisite: MATH 361 or CS 361.

MATH 481 3:3-0
Partial Differential Equations
Classification and basic properties of equations, separation of variables, Fourier series, Sturm-Liouville theory, Fourier and Laplace transforms.
Prerequisite: MATH 381.

MATH 482 3:3-0
Laplace Transforms
Properties of the Laplace Transform. Convolutions. The inversion integral. Applications to solutions of differential equations.
Prerequisite: MATH 217 and 312.

MATH 485 3:3-0
Introduction to Functional Analysis
Metric, normed linear and inner-product spaces, linear operators and fixed point theorems. Spectral decompositions the Stone-Weierstrass theorem, applications.
Prerequisite: MATH 312 and 313.

MATH 495 1-3:3-0
Directed Reading in Mathematics - an AA-ZZ series.
Prior to the registration of the student(s), the instructor must present to the department head a detailed outline of the material to be covered, the method of delivery, and the method of evaluation.
** Permission of the department head is required to register. **

MATH 496 1-3:3-0
Directed Reading in Mathematics - an AA-ZZ series.
Prior to the registration of the student(s), the instructor must present to the department head a detailed outline of the material to be covered, the method of delivery, and the method of evaluation.
** Permission of the department head is required to register. **

MATH 497 0:1-0
Honours Seminar I
This is the first of two honours seminars. This course must be taken by all honours students in their fourth year. Students are required to attend all seminars and to present a seminar on a topic determined in consultation with the department head.
Note: This seminar is restricted to honours standing students in mathematics

MATH 498 0:1-0
Honours Seminar II
This is the second of two honours seminars. This course must be taken by all honours students in their fourth year. Students are required to attend all seminars and to present a seminar on a topic determined in consultation with the department head.
*Note: This seminar is for honours standing students in mathematics. *

MU Music

MU 100 3:3-0
Introduction to Music
What would life be without music? This broad survey course explores the changing role of music within society across time and disciplines, with emphasis on developing critical listening skills.
Note: Not available for credit in BMus or BMusEd programs.

MU 101 3:3-0
Introduction to Basic Music Skills
Enjoy a heightened musical experience through class participation, tutorials and computer-assisted instruction in ear-training, music theory, score-reading and keyboard skills, at introductory levels; for students with little or no musical training.
Not available in the BMus or BMusEd.

MU 122 3:3-0
Ear Training II
A continuation of MU 121, also including recognition of chord types and harmonic progressions.
***Prerequisite: MU 121 ***

MU 199 3:0-0
Selected Topics in Music: An AA-ZZ series
Courses covering selected topics in music.

MU 204 3:3-0
Jazz Appreciation
An overview of the history and development of jazz music, tracing the performers and style periods in the genre from its 19th-century African-American origins through to the present. Students also study the social and historical factors that affected the development of jazz. Emphasis is placed on developing listening skills.
Note: Not available for credit in BMusEd program
Note: Students may only receive credit for one of MUHI 204, MU 204, and MU 110

MU 205 3:3-0
Themes in Popular Music: An AA-ZZ series
Selected topics from the rich variety of popular music genres, from the Beatles to Lady Gaga, rap, and hip hop. Several approaches are used, including race, gender, means of production and technology. Music-reading ability not required.
Note: Students may only receive credit for one of MU 205, MU 320AG or MUHI 205

MU 299 3:0-0
Selected Topics in Music: An AA-ZZ series
Courses covering selected topics in music.

MU 319 3:3-0
Music Cultures of the World
An inclusive survey of classical, popular and folk music traditions from around the world. As well as expanding their listening skills, students study music in culture and music as culture and, in the process, develop fresh approaches to their own musical traditions. Music-reading ability not required.
Prerequisite: completion of 15 credit hours
Note: Students cannot receive credit for both MU 319 and MUHI 319

MU 349 1.5:2-0
Piano Pedagogy
This course is designed to introduce students to a select variety of topics in the field of piano pedagogy, ranging from beginning to late-intermediate levels. Students will be introduced to various methods and pedagogy texts, and will observe and assist in private and group lessons.
Prerequisite: Permission of the department head needed to register

MU 370 1.5-3:2-1
The Business of Music
This course provides students with skills necessary to establish oneself post-degree individually in the field of music/music pedagogy "grantsmanship," establishing a studio, taxation issues, adjudicating, touring, stage presence, advertising, etc.
Prerequisite: Completion of 60 credit hours

MU 399 3:0-0
Selected Topics in Music: An AA-ZZ series
Courses covering selected topics in music.

MU 499 3:0-0
Selected Topics in Music: An AA-ZZ series
Courses covering selected topics in music.

MUBC Music Bass Clarinet

MUBC 131 2:0.8-0
Applied Music Bass Clarinet
** Permission of the department head is required to register. **

MUBC 132 2:0.8-0
Applied Music Bass Clarinet
***Prerequisite: MUBC 131 ***

MUBC 231 2:0.8-0
Applied Music Bass Clarinet
***Prerequisite: MUBC 132 ***

MUBC 232 2:0.8-0
Applied Music Bass Clarinet
***Prerequisite: MUBC 231 ***

MUBC 241 3:1-0
Applied Music Bass Clarinet
***Prerequisite: MUBC 132 ***

MUBC 242 3:1-0
Applied Music Bass Clarinet
***Prerequisite: MUBC 241 ***

MUBC 331 2:0.8-0
Applied Music Bass Clarinet
***Prerequisite: MUBC 232 ***

MUBC 332 2:0.8-0
Applied Music Bass Clarinet
***Prerequisite: MUBC 331 ***

MUBC 339 3:1-0
Recital - Bass Clarinet
A public recital on bass clarnet. For the student completing recital requirements in the BMUS composition, music history, and in the BMUS Ed program.

MUBC 341 3:1-0
Applied Music Bass Clarinet
***Prerequisites: MUTH 212 and MUBC 242 ***
MUBC 349 3:1-0
Recital - Bass Clarinet
A public recital on the bass clarinet. For students in BMus program performance concentration. This recital is given in the third year of study

MUBC 431 2:0.8-0
Applied Music Bass Clarinet
***Prerequisite: MUBC 332 ***

MUBC 441 3:1-0
Applied Music Bass Clarinet
***Prerequisite: MUBC 341 ***

MUBN Music Bassoon

MUBN 131 2:0.8-0
Applied Music Bassoon
** Permission of the department head is required to register. **

MUBN 132 2:0.8-0
Applied Music Bassoon
***Prerequisite: MUBN 131 ***

MUBN 231 2:0.8-0
Applied Music Bassoon
***Prerequisite: MUBN 132 ***

MUBN 232 2:0.8-0
Applied Music Bassoon
***Prerequisite: MUBN 231 ***

MUBN 241 3:1-0
Applied Music Bassoon
***Prerequisite: MUBN 132 ***

MUBN 242 3:1-0
Applied Music Bassoon
***Prerequisite: MUBN 241 ***

MUBN 331 2:0.8-0
Applied Music Bassoon
***Prerequisite: MUBN 232 ***

MUBN 332 2:0.8-0
Applied Music Bassoon
***Prerequisite: MUBN 331 ***

MUBN 339 3:1-0
Recital - Bassoon
A public recital on the bassoon. For the student completing recital requirements in the BMUS composition, music history, and in the BMUS Ed program.

MUBN 341 3:1-0
Applied Music Bassoon
***Prerequisites: MUTH 212 and MUBN 242 ***

MUBN 349 3:1-0
Recital - Bassoon
A public recital on the bassoon. For students in BMus program performance concentration. This recital is given in the third year of study.

MUBN 431 2:0.8-0
Applied Music Bassoon
***Prerequisite: MUBN 332 ***

MUBN 441 3:1-0
Applied Music Bassoon
***Prerequisite: MU 309 ***

MUBN 449 6:1-0
Recital - Bassoon
A one-hour public recital on the bassoon. For students in the Bmus program concentration in performance. This recital is to be given in the final year of study.

MUCL Music Clarinet

MUCL 131 2:0.8-0
Applied Music Clarinet
** Permission of the department head is required to register. **

MUCL 132 2:0.8-0
Applied Music Clarinet
***Prerequisite: MUCL 131 ***

MUCL 231 2:0.8-0
Applied Music Clarinet
***Prerequisite: MUCL 132 ***

MUCL 232 2:0.8-0
Applied Music Clarinet
***Prerequisite: MUCL 231 ***

MUCL 241 3:1-0
Applied Music Clarinet
***Prerequisite: MUCL 132 ***

MUCL 242 3:1-0
Applied Music Clarinet
***Prerequisite: MUCL 241 ***

MUCL 331 2:0.8-0
Applied Music Clarinet
***Prerequisite: MUCL 232 ***

MUCL 332 2:0.8-0
Applied Music Clarinet
***Prerequisite: MUCL 331 ***

MUCL 339 3:1-0
Recital - Music Clarinet
A public recital on the clarinet. For the student completing recital requirements in the BMUS composition, music history, and in the BMusEd program.

MUCL 341 3:1-0
Applied Music Clarinet
***Prerequisites: MUTH 212 and MUCL 242 ***

MUCL 349 3:1-0
Recital - Clarinet
A public recital on the clarinet. For students in BMus program performance concentration. This recital is given in the third year of study.

MUCL 431 2:0.8-0
Applied Music Clarinet
***Prerequisite: MUCL 332 ***

MUCL 441 3:1-0
Applied Music Clarinet
***Prerequisite: MU 309 ***

MUCL 449 6:1-0
Recital - Clarinet
A one hour recital on the clarinet. For students in the Bmus program concetnration in performance. This recital is to be given in the final year of study.

MUCO Music Composition

MUCO 217 3:3-0
The Art of Music Composition
An introdution to composing music in a variety of styles in use since c.1800. Students will write their own short pieces and hear them rehearsed and performed by the Students' New Music Ensemble.
Prerequisite: Music reading ability
Note: Students who have taken MUCO 317 or MUCO 318 cannot receive credit for MUCO 317.

MUCO 320 3:3-0
Living Music: Acoustic Instrument Studies
Study of acoustic instruments, and of the compositional techniques that have been used to write music for these 13 instruments from the Classical period to the present day. This course will enhance your ability to appreciate instrumental repertoire, and to write musical arrangements for a variety of instrumental ensembles.
Prerequisite: 30 credit hours and music reading ability.
Note: Students cannot receive credit for MUCO 340 and MUCO 320 or MUCO 440 and MUCO 320.

MUCO 341 3:3-0
Introduction to Digital Music Software
Taught in an electronic studio environment, this course has two complementary parts: a historical survey of electronic music up to the present and practical guidance and experience in the use of current compositional software used in music notation, editing, sound production and recording, such as Sibelius, Pro Tools and Max/MSP.
Prerequisite: 30 credit hours or permission of instructor.
Note: Students may only receive credit for one of MUCO 326, MUCO 327, or MUCO 341

MUCO 417 3:3-0
Composition I
Individual projects. Intended for students in the BMus program with a concentration in composition, who are preparing to compose for different instrumental and vocal combinations ranging from solo to orchestra.
Prerequisite: MUTH 212, MUCO 217 and MUCO 320
Note: Students may only receive one of MU 417 and MUCO 417.

MUCO 418 3:3-0
Composition II
A continuation of MUCO 417.
Prerequisite: MUCO 417
Note: Students cannot receive credit for MU 418 and MUCO 418.

MUDB Music Bass

MUDB 131 2:0.8-0
Applied Music Bass
** Permission of the department head is required to register. **

MUDB 132 2:0.5-0
Applied Music Bass
***Prerequisite: MUDB 131 ***

MUDB 231 2:0.8-0
Applied Music Bass
***Prerequisite: MUDB 132 ***

MUDB 232 2:0.8-0
Applied Music Bass
***Prerequisite: MUDB 231 ***

MUDB 241 3:1-0
Applied Music Bass
***Prerequisite: MUDB 132 ***

MUDB 242 3:1-0
Applied Music Bass
***Prerequisite: MUDB 241 ***

MUDB 331 2:0.8-0
Applied Music Bass
***Prerequisites: MUTH 212 and MUDB 232 ***

MUDB 332 2:0.8-0
Applied Music Bass
***Prerequisite: MUDB 331 ***

MUDB 339 3:1-0
Recital - Bass
A public recital on the bass. For the student completing recital requirements in the BMUS composition, music history, and in the BMUS Ed program.

MUDB 341 3:1-0
Applied Music Bass
***Prerequisites: MUTH 212 and MUDB 242 ***

MUDB 349 3:1-0
Recital - Bass
A public recital on the bass. For students in BMus program performance concentration. This recital is given in the third year of study.

MUDB 431 2:0.8-0
Applied Music Bass
***Prerequisite: MUDB 332 ***

MUDB 441 3:1-0
Applied Music Bass
***Prerequisite: MU 309 ***

MUDB 449 6:1-0
Recital - Bass
A one-hour public recital on the bass. For students in the Bmus program concentration in performance. This recital is to be given in the final year of study.

MUEN Music Ensemble

MUEN 101 0-1:3-0
University Concert Band
A non-auditioned ensemble open to all students and community members. This ensemble focuses on performing exciting and dynamic repertoire.
Note: a $100 materials fee will be charged to students registered in section 003

MUEN 103 0-1:3-0
University Jazz Ensemble
** Permission of the instructor is required to register in the fall. **
Note: a $100 materials fee will be charged to students registered in section 003.

MUEN 105 0-1.5:3-0
Vocal Jazz Ensemble
Permission of the instructor is required to register in the fall

MUEN 107 0-1:3-0
University Wind Ensemble
An auditioned ensemble open to all students, including non-music majors. This ensemble performs challenging standard and contemporary wind band repertoire and boasts guest conductors and soloists as part of its concert series.
Permission of the instructor is required to register in the fall
Note: a $100 materials fee will be charged to students registered in section 003

MUEN 123 0-1.5:3-0
New Music Ensemble
An open Instrumentation ensemble that studies and performs works of the 20th and 21st century music is invaluable for any music student, but particularly for students majoring in composition. The revised description allows for rehearsal and performance of newly created student compositions, works for open ensemble by contemporary composers such as Reich, Cage, andothers, and skills in improvisation.

MUEN 131 0-1:3-0
University Concert Choir
All are welcome to sing in the University Concert Choir! A dynamic ensemble of approximately 75 singers, its programming spans a wide range of genres and styles with regular performances with orchestra. All are required to meet with the instructor in the first weeks of school for a voice placement
hearing.
Note: a $100 materials fee will be charged to students registered in section 003

MUEN 135 0-1:3-0
University Chamber Singers
University Chamber Singers is an elite multi-award winning 28-voice ensemble focusing on a cappella choral repertoire. Entrance is by audition only with heavy emphasis on sight-singing ability. Please contact the instructor for audition times. Singers must prepare an art Song or an aria for the audition.
Permission of the instructor is required to register in the fall
Note: a $100 materials fee will be charged to students registered in section 003

MUEN 155 0-1.5:3-0
Collegium Musicum

Permission of the instructor is required to register in the fall

MUEN 157 0-1.5:3-0
Miscellaneous Ensemble - an AA-ZZ series.
** Permission from the instructor required to register in the fall. **

MUEN 159 0-1.5:3-0
Percussion Ensemble
** Permission of the instructor is required in the fall. **

MUEN 171 0-1:3-0
Unversity Orchestra
A high-level ensemble open to musicians from the Music Department, the university and the wider community (audition may be required). The University Orchestra performs challenging works in a wide range of styles and eras. Each term it presents a full concert in the University Theatre.
** Permission from the instructor is required to register in the fall. **
Note: a $100 materials fee will be charged to students registered in section 003.

MUEU Music Euphonium

MUEU 131 2:0.8-0
Applied Music Euphonium
Prerequisite: Permission of the department head is required to register

MUEU 132 2:0.8-0
Applied Music Euphonium
Prerequisite: MUEU 131

MUEU 231 2:0.8-0
Applied Music Euphonium
Prerequisite: MUEU 132

MUEU 232 2:0.8-0
Applied Music Euphonium
Prerequisite: MUEU 231

MUEU 241 3:1-0
Applied Music Euphonium
Prerequisite: MUEU 132

MUEU 242 3:1-0
Applied Music Euphonium
Prerequisite: MUEU 241

MUEU 331 2:0.8-0
Applied Music Euphonium
Prerequisite: MUEU 232

MUEU 332 2:0.8-0
Applied Music Euphonium
Prerequisite: MUEU 331

MUEU 339 3:1-0
Recital - Euphonium
A public recital on the euphonium. For the student completing the recital requirements in the BMus composition, music history concentrations and the BMusEd degree program.

MUEU 341 3:1-0
Applied Music Euphonium
Prerequisite: MUEU 242

MUEU 349 3:1-0
Recital - Euphonium
A public recital on the euphonium. For students in BMus program performance concentration. This recital is given in the third year of study.

MUEU 431 2:0.8-0
Applied Music Euphonium
Prerequisite: MUEU 332

MUEU 441 3:1-0
Applied Music Euphonium
Prerequisite: MUEU 349

MUEU 449 6:1-0
Recital - Euphonium
A one-hour public recital on the euphonium. For students in the BMus program concentration in performance. This recital is to be given in the final year of study.

MUFL Music Flute

MUFL 131 2:0.8-0
Applied Music Flute
** Permission of the department head is required to register. **

MUFL 132 2:0.8-0
Applied Music Flute
***Prerequisite: MUFL 131 ***

MUFL 231 2:0-0
Applied Music Flute
***Prerequisite: MUFL 132 ***

MUFL 232 2:0.8-0
Applied Music Flute
***Prerequisite: MUFL 231 ***

MUFL 241 3:1-0
Applied Music Flute
***Prerequisite: MUFL 132 ***

MUFL 242 3:1-0
Applied Music Flute
***Prerequisite: MUFL 241 ***

MUFL 331 2:0.8-0
Applied Music Flute
***Prerequisites: MUTH 212 and MUFL 232 ***

MUFL 332 2:0.8-0
Applied Music Flute
***Prerequisite: MUFL 331 ***

MUFL 339 3:1-0
Recital - Flute
A public recital on the flute. For the student completing recital requirements in the BMUS composition, music history, and in the BMUS Ed program.

MUFL 341 3:1-0
Applied Music Flute
***Prerequisites: MUTH 212 and MUFL 242 ***

MUFL 349 3:1-0
Recital - Flute
A public recital on the flute. For students in BMus program performance concentration. This recital is given in the third year of study.

MUFL 431 2:0.8-0
Applied Music Flute
***Prerequisite: MUFL 332 ***

MUFL 441 3:1-0
Applied Music Flute
Prerequisite: MUFL 349.
MUFL 449 6:1-0
Recital - Flute
A one-hour public recital on the flute. For students in the Bmus program concentration in performance. This recital is to be given in the final year of study.

MUGR Music Guitar

MUGR 131 2:0.8-0
Applied Music Guitar
** Permission of the department head is required to register. **

MUGR 132 2:0.8-0
Applied Music Guitar
***Prerequisite: MUGR 131 ***

MUGR 231 2:0.8-0
Applied Music Guitar
***Prerequisite: MUGR 132 ***
MUGR 232 2:0.8-0
Applied Music Guitar
***Prerequisite: MUGR 231 ***

MUGR 241 3:1-0
Applied Music Guitar
***Prerequisite: MUGR 132 ***

MUGR 242 3:1-0
Applied Music Guitar
***Prerequisite: MUGR 241 ***

MUGR 331 2:0.8-0
Applied Music Guitar
***Prerequisites: MUTH 212 and MUGR 232 ***

MUGR 332 2:0.8-0
Applied Music Guitar
***Prerequisite: MUGR 331 ***

MUGR 339 3:1-0
Recital - Guitar
A public recital on the guitar. For the student completing recital requirements in the BMUS composition, music history, and in the BMUS Ed program.

MUGR 341 3:1-0
Applied Music Guitar
***Prerequisites: MUTH 212 and MUGR 242 ***

MUGR 349 3:1-0
Recital - Guitar
A public recital on the guitar. For students in BMus program performance concentration. This recital is given in the third year of study.

MUGR 431 2:0.8-0
Applied Music Guitar
***Prerequisite: MUGR 332 ***

MUGR 441 3:1-0
Applied Music Guitar
Prerequisite: MUGR 349.

MUGR 449 6:1-0
Recital - Guitar
A one-hour public recital on the guitar. For students in the Bmus program concentration in performance. This recital is to be given in the final year of study.

MUHD	Music Harpsichord

MUHD 131 2:0.8-0
Applied Music Harpsichord
** Permission of the department head is required to register. **

MUHD 132 2:0.8-0
Applied Music Harpsichord
***Prerequisite: MUHD 131 ***

MUHD 231 1.5-2:0.8-0
Applied Music Harpsichord
***Prerequisite: MUHD 132 ***

MUHD 232 1.5-2:0.8-0
Applied Music Harpsichord
***Prerequisite: MUHD 231 ***

MUHD 241 3:1-0
Applied Music Harpsichord
***Prerequisite: MUHD 132 ***

MUHD 242 3:1-0
Applied Music Harpsichord
***Prerequisite: MUHD 241 ***

MUHD 331 1.5-2:0.8-0
Applied Music Harpsichord
***Prerequisites: MUTH 212 and MUHD 232 ***

MUHD 332 1.5:0.8-0
Applied Music Harpsichord
***Prerequisite: MUHD 331 ***

MUHD 339 3:1-0
Recital - Harpsichord
A public recital on the harpsichord. For the student completing recital requirements in the BMUS composition, music history, and in the BMUS Ed program.

MUHD 341 3:1-0
Applied Music Harpsichord
***Prerequisites: MUTH 212 and MUHD 242 ***

MUHD 349 3:1-0
Recital - Harpsichord
A public recital on the harpsichord. For students in BMus program performance concentration. This recital is given in the third year of study.

MUHD 431 1.5-2:0.8-0
Applied Music Harpsichord
***Prerequisite: MUHD 332 ***

MUHD 441 3:1-0
Applied Music Harpsichord
Prerequisite: MUHD 349.

MUHD 449 6:1-0
Recital - Harpsichord
A one-hour public recital on the harpsichord. For students in the Bmus program concentration in performance. This recital is to be given in the final year of study.

MUHI	Music History and Literature

MUHI 202 3:3-0
Music History Survey-Pre-Classical to Contemporary
This course traces the development of important musical styles, genres and forms from the second half of the 18th century to the late 20th century by placing representative composers and selected musical works into their appropriate socio-cultural and historical contexts. Emphasis is on developing basic listening, writing and research skills.
Prerequisite: Music reading ability
*Note: Students cannot receive credit for both MU 202 and MUHI 202.

MUHI 203 3:3-0
Music History Survey-Middle Ages to Baroque
This course traces the development of important early musical styles, genres, and forms by placing representative composers and selected musical works into their appropriate socio-cultural and historical contexts. Emphasis is on students honing their listening, writing, research and presentation skills.
Prerequisite: MUHI 202 or permission of department head
Note: Students cannot receive credit for both MU 203 and MUHI 203

MUHI 301 3:3-0
Studies in Music of the Baroque Period
This course views secular and sacred music from the 17th and first half of the 18th century through a variety of lenses, including compositional style, socio-cultural impact and performance practice. Emphasis is placed on honing students? critical thinking, writing, research and presentation skills.
Prerequisite: MUHI 202 or permission of department head
Note: Students cannot receive credit for MU 211 and MUHI 301

MUHI 302 3:3-0
Studies in Music of the Classical Period
Haydn, Mozart and Beethoven are among the giants of the classical period in music. This course offers intense study of their works and compositional style, along with analysis of the socio-cultural role of music in Europe in the mid-18th to early 19th centuries. Emphasis is placed on honing students? critical thinking, writing, research and presentation skills.
Prerequisite: MUHI 202 or permission of department head
Note: Students cannot receive credit for both MU 212 and MUHI 302

MUHI 303 3:3-0
Studies in Music of the Romantic Period
No other period has shaped music history more intensely and imaginatively than the 19th century. Contributions of representative composers to music literature of the Romantic Era (ca. 1800-1900) and the various forces that played a role in the creation and performance of musical works will be examined. Emphasis is placed on honing students? critical thinking, writing, research and presentation skills.
Prerequisite: MUHI 202 or permission of department head
Note: Students cannot receive credit for both MU 213 and MUHI 303

MUHI 304 3:3-0
Studies in Music of the Contemporary Period
Schoenberg, Stravinsky, Stockhausen, Glass ? these are among the contemporary composers who changed music forever. This course focuses on the most important and radical developments in music during the 20th and 21st centuries. Emphasis is placed on honing students? critical thinking, writing, research and presentation skills.
Prerequisite: MUHI 202 or permission of department head
Note: Students cannot receive credit for both MU 214 and MUHI 304
Note: Creative Technologies Program Option

MUHI 305 3:3-0
History of Canadian Music
A wide-ranging study of the history of music in Canada, from the earliest settlements to the present day. Topics covered include classical, popular and indigenous genres. Emphasis is on the socio-cultural role of music in the evolution of Canada as a country.
Prerequisite: MUHI 202 or permission of department head
Note: Students cannot receive credit for both MU 215 and MUHI 305

MUHI 311 3:3-0
J.S. Bach and His Contemporaries
This course examines J.S. Bach?s life and works, the individuals and external forces that shaped them, and the impact that Bach?s music and its reception have had on global musical culture. Emphasis is placed on honing students? listening, research, writing and presentation skills.
Note: Students cannot receive credit for both MU 320AC and MUHI 311
Note: Music reading ability required; completion of MU 100 considered an asset

MUHI 320 1.5-3:3-0
Selected Topics in Music History and Literature - an AA-ZZ series
This series introduces new and current topics in music history and literature. For information, consult the Music Department.
Note: Students cannot receive credit for both MU 320 AA-ZZ and MUHI 320 AA-ZZ

MUHI 390 3:3-0
Supervised Research in Performance
Note: Students cannot receive credit for both MU 390AA and MUHI 390AA.

MUHI 391 3:3-0
Supervised Research in Performance
Note: Students cannot receive credit for both MU 391AA and MUHI 391AA.

MUHI 394 3:3-0
Directed Studies in Music History
Note: Student cannot receive credit for MU 394AA-ZZ and MUHI 394AA-ZZ.

MUHI 395 3:3-0
Directed Studies in Music History
Note: Students cannot receive credit for both MU 395AA and MUHI 395AA.

MUHI 414 3:3-0
Women and Music
Not offered every year. A survey of the works and careers of women composers and of the social contexts in which they worked. Recent work in feminist music criticism will also be discussed. Music reading ability is an asset.
Prerequisite: MUHI 203.
Note: Music reading ability is an asset. *Note: Student cannot receive credit for MUHI 414 and MU 414.*

MUHI 415 3:3-0
History of Performance Practice
How was music performed in various places at various times in the past? This course investigates how and why musical interpretation changed over time and explores how it shapes present-day approaches to ?early music? through consideration of original sources and contemporary commentary. Editions may be prepared and performed.
Prerequisite: MUHI 203 or permission of department head.
Note: Students cannot receive credit for both MU 415 and MUHI 415

MUHI 416 3:3-0
Studies in Instrumental Genres-an AA-ZZ series
An investigation of selected topics related to individual instrumental genres, such as chamber music, symphony, and concerto, and their respective historical contexts. For more information, consult the Music Department.
Prerequisite: MUHI 203 or permission of department head

MUHI 417 3:3-0
Studies in Vocal Genres-an AA-ZZ series
An investigation of selected topics in secular and sacred vocal genres, such as opera, the Lied, oratorio, and the mass, and their respective historical contexts. For more information, consult the Music Department.
Prerequisite: MUHI 203 or permission of department head

MUHI 418 3:3-0
Music, Women, Culture
This course highlights women?s contributions to musical traditions of the past and present, with emphasis on Western Classical art music and culture.
Note: No music reading ability required, but completion of MU 100 will be an asset.

MUHI 490 3:3-0
Supervised Research in Performance
Note: Students cannot receive credit for both MU 490AA and MUHI 490AA.

MUHI 491 3:3-0
Supervised Research in Performance
Note: Students cannot receive credit for both MU 490AA and MUHI 491AA.

MUHI 494 3:3-0
Directed Studies in Music History
Note: Students cannot receive credit for both MU 494AA and MUHI 494AA.

MUHI 495 3:3-0
Directed Studies in Music History
Note: Students cannot receive credit for both MU 495AA and MUHI 495AA.

MUHN Music Horn

MUHN 131 2:0.8-0
Applied Music Horn
** Permission of the department head is required to register. **

MUHN 132 2:0.8-0
Applied Music Horn
***Prerequisite: MUHN 131 ***

MUHN 231 2:0.8-0
Applied Music Horn
***Prerequisite: MUHN 132 ***

MUHN 232 2:0.8-0
Applied Music Horn
***Prerequisite: MUHN 231 ***

MUHN 241 3:1-0
Applied Music Horn
***Prerequisite: MUHN 132 ***

MUHN 242 3:1-0
Applied Music Horn
***Prerequisite: MUHN 241 ***

MUHN 331 2:0.8-0
Applied Music Horn
***Prerequisites: MUTH 212 and MUHN 232 ***

MUHN 332 2:0.8-0
Applied Music Horn
***Prerequisite: MUHN 331 ***

MUHN 339 3:1-0
Recital - Horn
A public recital on the horn. For the student completing recital requirements in the BMUS composition, music history, and in the BMUS Ed program.

MUHN 341 3:1-0
Applied Music Horn
***Prerequisites: MUTH 212 and MUHN 242 ***

MUHN 349 3:1-0
Recital - Horn
A public recital on the horn. For students in BMus program performance concentration. This recital is given in the third year of study.

MUHN 431 2:0.8-0
Applied Music Horn
***Prerequisite: MUHN 332 ***

MUHN 441 3:0-1
Applied Music Horn
Prerequisite: MUHN 349.

MUHN 449 6:1-0
Recital - Horn
A one-hour public recital on the horn. For students in the Bmus program concentration in performance. This recital is to be given in the final year of study.

MUOB Music Oboe

MUOB 131 2:0.8-0
Applied Music Oboe
** Permission of the department head is required to register. **

MUOB 132 2:0.8-0
Applied Music Oboe
***Prerequisite: MUOB 131 ***

MUOB 231 2:0.8-0
Applied Music Oboe
***Prerequisite: MUOB 132 ***

MUOB 232 2:0.8-0
Applied Music Oboe
***Prerequisite: MUOB 231 ***

MUOB 241 3:0-1
Applied Music Oboe
***Prerequisite: MUOB 132 ***

MUOB 242 3:1-0
Applied Music Oboe
***Prerequisite: MUOB 241 ***

MUOB 331 2:0.8-0
Applied Music Oboe
***Prerequisites: MUTH 212 and MUOB 232 ***

MUOB 332 2:0.8-0
Applied Music Oboe
***Prerequisite: MUOB 331 ***

MUOB 339 3:1-0
Recital - Oboe
A public recital on the oboe. For the student completing recital requirements in the BMUS composition, music history, and in the BMUS Ed program.

MUOB 341 3:1-0
Applied Music Oboe
***Prerequisites: MUTH 212 and MUOB 242 ***

MUOB 349 3:1-0
Recital - Oboe
A public recital on the oboe. For students in BMus program performance concentration. This recital is given in the third year of study.

MUOB 431 2:0.8-0
Applied Music Oboe
***Prerequisite: MUOB 332 ***

MUOB 441 3:1-0
Applied Music Oboe
Prerequisite: MUOB 349.

MUOB 449 6:1-0
Recital - Oboe
A one-hour public recital on the oboe. For students in the Bmus program concentration in performance. This recital is to be given in the final year of study.

MUOR Music Organ

MUOR 131 2:0.8-0
Applied Music Organ
** Permission of the department head is required to register. **

MUOR 132 2:0.8-0
Applied Music Organ
***Prerequisite: MUOR 131 ***

MUOR 231 2:0.8-0
Applied Music Organ
***Prerequisite: MUOR 132 ***

MUOR 232 2:0.8-0
Applied Music Organ
***Prerequisite: MUOR 231 ***

MUOR 241 3:1-0
Applied Music Organ
***Prerequisite: MUOR 132 ***

MUOR 242 3:1-0
Applied Music Organ
***Prerequisite: MUOR 241 ***

MUOR 331 2:0.8-0
Applied Music Organ
***Prerequisites: MUTH 212 and MUOR 232 ***
MUOR 332 2:0.8-0
Applied Music Organ
***Prerequisite: MUOR 331 ***

MUOR 339 3:1-0
Recital - Organ
A public recital on the organ. For the student completing recital requirements in the BMUS composition, music history, and in the BMUS Ed program.

MUOR 341 3:1-0
Applied Music Organ
***Prerequisites: MUTH 212 and MUOR 242 ***

MUOR 349 3:1-0
Recital - Organ
A public recital on the organ. For students in BMus program performance concentration. This recital is given in the third year of study.

MUOR 431 2:0.8-0
Applied Music Organ
***Prerequisite: MUOR 332 ***

MUOR 441 3:1-0
Applied Music Organ
Prerequisite: MUOR 349.

MUOR 449 6:1-0
Recital - Organ
A one-hour public recital on the organ. For students in the Bmus program concentration in performance. This recital is to be given in the final year of study.

MUPC Music Percussion

MUPC 131 2:0.8-0
Applied Music Percussion
** Permission of the department head is required to register. **

MUPC 132 2:0.8-0
Applied Music Percussion
***Prerequisite: MUPC 131 ***

MUPC 231 2:0.8-0
Applied Music Percussion
***Prerequisite: MUPC 132 ***

MUPC 232 2:0.8-0
Applied Music Percussion
***Prerequisite: MUPC 231 ***

MUPC 241 3:1-0
Applied Music Percussion
***Prerequisite: MUPC 132 ***

MUPC 242 3:1-0
Applied Music Percussion
***Prerequisite: MUPC 241 ***

MUPC 331 2:0.8-0
Applied Music Percussion
***Prerequisites: MUTH 212 and MUPC 232 ***

MUPC 332 2:0.8-0
Applied Music Percussion
***Prerequisite: MUPC 331 ***

MUPC 339 3:1-0
Recital - Percussion
A public recital on percussion instruments. For the student completing recital requirements in the BMUS composition, music history, and in the BMUS Ed program.

MUPC 341 3:1-0
Applied Music Percussion
***Prerequisites: MUTH 212 and MUPC 242 ***

MUPC 349 3:1-0
Recital - Percussion
A public recital on percussion instruments. For students in BMus program performance concentration. This recital is given in the third year of study.

MUPC 431 2:0.8-0
Applied Music Percussion
***Prerequisite: MUPC 332 ***

MUPC 441 3:1-0
Applied Musi Percussion
Prerequisite: MUPC 349.

MUPC 449 6:1-0
Recital - Percussion
A one-hour public recital on the percussion. For students in the Bmus program concentration in performance. This recital is to be given in the final year of study.

MUPE	Music Performance

MUPE 253 2:2-0
Accompanying
Practical work in accompanying solo literature, sight reading, and transposition. Each student enrolled assumes as a project the accompaniment of another student.
Permission of the department head is required to register
Note: Intended for B.Mus. Piano Performance majors
Note: Student cannot receive credit for MU 253 and MUPE 253

MUPE 254 2:2-0
Accompanying
A continuation of MUPE 253.
Prerequisite: MUPE 253
Note: Intended for B.Mus. Piano Performance majors
Note: Student cannot receive credit for MU 254 and MUPE 254

MUPE 270 2:2-0
Language Diction for Singers
An introduction to language diction for singers. The International Phonetic Alphabet will be used to assist singers with the basic language found in the standard singer's repertoire.
Note: Student cannot receive credit for MU 270 and MUPE 270

MUPE 283 0-3:0-3
Choral Conducting
An introduction to choral conducting and rehearsal techniques. Participation in a choral group is required.
Prerequisite: Music Reading Ability
Note: Student cannot receive credit for MU 283 and MUPE 283.

MUPE 342 0-3:0-3
Instrumental Conducting
An introduction to wind band conducting focusing on baton technique and score study. Participation in a band is required.
Prerequisite: Music Reading Ability
Note: Student cannot receive credit for MU 342 and MUPE 342.

MUPE 348 3:0-2
Jazz Improvisation
Development of improvisatory skills in the jazz idiom. Students must be performers on jazz-related instruments.
** Permission of the department head is required to register. **
Note: Student cannot receive credit for MU 348 and MUPE 348.

MUPE 353 2:2-0
Accompanying
Continuation of MUPE 254.
Prerequisite: MUPE 254
Note: Student cannot receive credit for MU 353 and MUPE 353

MUPE 354 2:2-0
Accompanying
Continuation of MUPE 353.
Prerequisite: MUPE 353
Note: Student cannot receive credit for MU 354 and MUPE 354

MUPE 361 2:2-0
Chamber Music Ensemble
Coaching in performance issues and interpretation of selected items of chamber literature. Only a limited number of pianists may register.
Permission of the instructor is required to register
Note: Students cannot receive credit for both MU 361 and MUPE 361

MUPE 362 2:2-0
Chamber Music Ensemble
A continuation of MUPE 361.
Prerequisite: MUPE 361
Note: Student cannot receive credit for MU 362 and MUPE 362

MUPE 381 3:3-0
Opera Workshop
Opera Workshop is open to all students who wish to gain a basic understanding of how to research, prepare, and perform operatic repertoire. Emphasis will be placed on musical preparation and aspects of production. The students will present a public performance of opera scenes at the end of the term.
Not offered every year. A continuation of MUPE 281.
Permission of department head is required to register
Note: Student cannot receive credit for MU 381 and MUPE 381

MUPE 382 2:2-0
Opera Workshop
A continuation of MUPE 381.
Prerequisite: MUPE 381
Note: Student cannot receive credit for MU 382 and MUPE 382

MUPE 442 1.5:0-2
Advanced Conducting
Score preparation and reading. Practical experience with actual performing groups. Consideration of more advanced compositions.
Prerequisite: MUPE 342 or 383, or permission of department head
Note: Student cannot receive credit for MU 442 and MUPE 442

MUPE 443 1.5:0-2
Advanced Conducting
A continuation of MUPE 442.
Prerequisite: MUPE 442
Note: Student cannot receive credit for MU 443 and MUPE 443

MUPE 461 2:2-0
Chamber Music Ensemble
A continuation of MUPE 362.
Prerequisite: MUPE 362
Note: Student cannot receive credit for MU 461 and MUPE 461

MUPE 462 2:2-0
Chamber Music Ensemble
A continuation of MUPE 461.
Prerequisite: MUPE 461
Note: Student cannot receive credit for MU 462 and MUPE 462

MUPE 481 2:2-0
Opera Workshop
A continuation of MUPE 382.
Prerequisite: MUPE 382
Note: Student cannot receive credit for MU 481 and MUPE 481

MUPE 482 2:2-0
Opera Workshop
A continuation of MUPE 481.
Prerequisite: MUPE 481
Note: Student cannot receive credit for MU 482 and MUPE 482

MUPI | Music Piano

MUPI 121 1.5:0-0.5
Applied Music Piano
** Permission of the department head is required to register. **

MUPI 131 2:0.8-0
Applied Music Piano
** Permission of the department head is required to register. **

MUPI 132 2:0.8-0
Applied Music Piano
***Prerequisite: MUPI 131 ***

MUPI 231 2:0.8-0
Applied Music Piano
***Prerequisite: MUPI 132 ***

MUPI 232 2:0.8-0
Applied Music Piano
***Prerequisite: MUPI 231 ***

MUPI 241 3:1-0
Applied Music Piano
***Prerequisite: MUPI 132 ***

MUPI 242 3:1-0
Applied Music Piano
***Prerequisite: MUPI 241 ***

MUPI 331 2:0.8-0
Applied Music Piano
***Prerequisites: MUTH 212 and MUPI 232 ***

MUPI 332 2:0.8-0
Applied Music Piano
***Prerequisite: MUPI 331 ***

MUPI 339 3:1-0
Recital - Piano
A public recital on the piano. For the student completing recital requirements in the BMUS composition, music history, and in the BMUS Ed program.

MUPI 341 3:1-0
Applied Music Piano
***Prerequisites: MUTH 212 and MUPI 242 ***

MUPI 349 3:1-0
Recital - Piano
A public recital on piano. For students in BMus program performance concentration. This recital is given in the third year of study.

MUPI 431 2:0.8-0
Applied Music Piano
***Prerequisite: MUPI 332 ***

MUPI 432 2:0.8-0
Applied Music Piano
***Prerequisite: MUPI 431 ***

MUPI 441 3:1-0
Applied Music Piano
Prerequisite: MUPI 349.

MUPI 449 6:1-0
Recital - Piano
A one-hour public recital on piano. For students in the Bmus program concentration in performance. This recital is to be given in the final year of study.

MUSX | Music Saxophone

MUSX 131 2:0.8-0
Applied Music Saxophone
** Permission of the department head is required to register. **

MUSX 132 2:0.8-0
Applied Music Saxophone
***Prerequisite: MUSX 131 ***

MUSX 231 2:0.8-0
Applied Music Saxophone
***Prerequisite: MUSX 132 ***

MUSX 232 2:0.8-0
Applied Music Saxophone
***Prerequisite: MUSX 231 ***

MUSX 241 3:1-0
Applied Music Saxophone
***Prerequisite: MUSX 132 ***

MUSX 242 3:1-0
Applied Music Saxophone
***Prerequisite: MUSX 241 ***

MUSX 331 2:0.8-0
Applied Music Saxophone
***Prerequisites: MUTH 212 and MUSX 232 ***

MUSX 332 2:0.8-0
Applied Music Saxophone
***Prerequisite: MUSX 331 ***

MUSX 339 3:1-0
Recital - Saxophone
A public recital on the saxophone. For the student completing recital requirements in the BMUS composition, music history, and in the BMUS Ed program.

MUSX 341 3:1-0
Applied Music Saxophone
***Prerequisites: MUTH 212 and MUSX 242 ***

MUSX 349 3:1-0
Recital - Saxophone
A public recital on the saxophone. For students in BMus program performance concentration. This recital is given in the third year of study.

MUSX 431 2:0.8-0
Applied Music Saxophone
***Prerequisite: MUSX 332 ***

MUSX 441 3:1-0
Applied Music Saxophone
Prerequisite: MUSX 349.

MUSX 449 6:1-0
Recital - Saxophone
A one-hour public recital on the saxophone. For students in the BMus program concentration in performance. This recital is to be given in the final year of study.

MUTB Music Trombone

MUTB 131 2:0.8-0
Applied Music Trombone
** Permission of the department head is required to register. **

MUTB 132 2:0.8-0
Applied Music Trombone
***Prerequisite: MUTB 131 ***

MUTB 231 2:0.8-0
Applied Music Trombone
***Prerequisite: MUTB 132 ***

MUTB 232 2:0.8-0
Applied Music Trombone
***Prerequisite: MUTB 231 ***

MUTB 241 3:1-0
Applied Music Trombone
***Prerequisite: MUTB 132 ***

MUTB 242 3:1-0
Applied Music Trombone
***Prerequisite: MUTB 241 ***

MUTB 331 2:0.8-0
Applied Music Trombone
***Prerequisites: MUTH 212 and MUTB 232 ***

MUTB 332 2:0.8-0
Applied Music Trombone
***Prerequisite: MUTB 331 ***

MUTB 339 3:1-0
Recital - Trombone
A public recital on the trombone. For the student completing recital requirements in the BMUS composition, music history, and in the BMUS Ed program.

MUTB 341 3:1-0
Applied Music Trombone
***Prerequisites: MUTH 212 and MUTB 242 ***

MUTB 349 3:1-0
Recital - Trombone
A public recital on the trombone. For students in BMus program performance concentration. This recital is given in the third year of study.

MUTB 431 2:0.8-0
Applied Music Trombone
***Prerequisite: MUTB 332 ***

MUTB 432 2:0.8-0
Applied Music Trombone
***Prerequisite: MUTB 431 ***

MUTB 441 3:1-0
Applied Music Trombone
Prerequisite: MUTB 349.

MUTB 449 6:1-0
Recital - Trombone
A one-hour public recital on the trombone. For students in the BMus program concentration in performance. This recital is to be given in the final year of study.

MUTH Music Theory and Analysis

MUTH 211 3:3-0
Ear Training I
Study of sight-singing, and melodic and rhythmic dictation. Limited to students majoring in Music, Music Education, and Arts Education.
Prerequisite: MU 101 or an entrance test in music theory.
Note: Students may not receive credit for both MU 121 and MUTH 211.

MUTH 212 3:3-0
Ear Training II
A continuation of MUTH 211, also including recognition of chord types and harmonic progressions.
Prerequisite: MUTH 211.
Note: Students cannot receive credit for both MU 122 and MUTH 212.

MUTH 221 3:3-1
Theory and Analysis I
Introductory approaches to creating and analyzing music in the common-practice-period style.
***Prerequisite: MU 101 or an entrance test in music theory. ***
Note: Students may not receive credit for MU 221 and MUTH 221.

MUTH 222 3:3-1
Theory and Analysis II
A continuation of MUTH 221, progressing to tonicization of V and III, and to analysis of phrase structures. Students may not receive credit for MU 222 and MUTH 222.
Prerequisite: MUTH 221.

MUTH 321 3:3-0
Theory and Analysis III
A continuation of MUTH 222, including modulation to closely related key areas, chromatic harmony, and analysis of binary and ternary forms.
Prerequisite: MUTH 212 and MUTH 222.
Note: Students may not receive credit for MU 321 and MUTH 321.

MUTH 322 3:3-0
Theory and Analysis IV
A continuation of MUTH 321, including more chromatic harmony, modulation to foreign keys, and an introduction to 20th centry music: its melodic, harmonic, rhythmic, and format procedures.
Prerequisite: MUTH 321.
Note: Students may not receive credit for MU 322 and MUTH 322.

MUTH 392 3:3-0
Directed Studies in Music Theory
Students may not receive credit for the same Directed Studies courses in the MU 392AA-ZZ and MUTH 392AA-ZZ series.

MUTH 393 3:3-0
Directed Studies in Music Theory
Students may not receive credit for the same Directed Studies courses in the MU 393AA-ZZ and MUTH 393AA-ZZ series.

MUTH 422 3:3-0
Analysis of Music Written Since 1900
Theory and analysis of selected music written since c. 1900.
Prerequisite: MUTH 322
Note: Students may not receive credit for MUTH 422 and MU 345

MUTP Music Trumpet

MUTP 131 2:0.8-0
Applied Music Trumpet
** Permission of the department head is required to register. **

MUTP 132 2:0.8-0
Applied Music Trumpet
***Prerequisite: MUTP 131 ***

MUTP 231 2:0.8-0
Applied Music Trumpet
***Prerequisite: MUTP 132 ***

MUTP 232 2:0.8-0
Applied Music Trumpet
***Prerequisite: MUTP 231 ***

MUTP 241 3:1-0
Applied Music Trumpet
***Prerequisite: MUTP 132 ***

MUTP 242 3:1-0
Applied Music Trumpet
***Prerequisite: MUTP 241 ***

MUTP 331 2:0.8-0
Applied Music Trumpet
***Prerequisites: MUTH 212 and MUTP 232 ***

MUTP 332 2:0.8-0
Applied Music Trumpet
***Prerequisite: MUTP 331 ***

MUTP 339 3:1-0
Recital - Trumpet
A public recital on the trumpet. For the student completing recital requirements in the BMUS composition, music history, and in the BMUS Ed program.

MUTP 341 3:1-0
Applied Music Trumpet
***Prerequisites: MUTH 212 and MUTP 242 ***

MUTP 349 3:1-0
Recital - Trumpet
A public recital on the trumpet. For students in BMus program performance concentration. This recital is given in the third year of study.

MUTP 431 2:0.8-0
Applied Music Trumpet
***Prerequisite: MUTP 332 ***

MUTP 441 3:1-0
Applied Music Trumpet
Prerequisite: MUTP 349.

MUTP 449 6:1-0
Recital - Trumpet
A one-hour public recital on the trumpet. For students in the BMus program concentration in performance. This recital is to be given in the final year of study.

MUTQ Music Techniques

MUTQ 281 2:2-0
Functional Piano Techniques I
The development of keyboard proficiency.
Note: Restricted to students in BMus, BMusEd, BEd Arts Education (music major and minor), BEd Secondary Education (music major and minor), and BA Fine Arts (music). Cannot receive credit for both MU 181 and MUTQ 181.

MUTQ 282 2:2-0
Functional Piano Techniques II
More advanced work in piano, continuing the work of MUTQ 281.
***Prerequisite: MUTQ 281 or permission of department head ***
Note: Restricted to students in BMus, BMusEd, BEd Arts Education (music major and minor), BEd Secondary Education (music major and minor), and BA with a major in music. Cannot receive credit for both MU 182 and MUTQ 282.

MUTQ 283 2:2-0
Vocal Technique Students will learn basic techniques for healthy vocal production, and how to apply those techniques and/or teach them in the classroom, the choir rehearsal, or the private voice studio. Vocal physiology, acoustics and other vocal issues will be examined, along with in-class performing.
Note: Students cannot receive credit for both MU 183 and MUTQ 283

MUTQ 284 2:2-0
String Techniques
Techniques of all string instruments.
Note: Restricted to students in BMus, BMusEd, BEd Arts Education (music major and minor), BEd Secondary Education (music major and minor), and BA in Fine Arts (music)
Note: Students cannot receive credit for both MU 184 and MUTQ 284

MUTQ 285 2:2-0
Woodwind Techniques
Techniques of all woodwind instruments.
* Restricted to students in BMus, BMusEd, BEd Arts Education (music major and minor), BEd Secondary Education (music major and minor), and BA in Fine Arts (music). *
Note: Students cannot receive credit for both MU 185 and MUTQ 285.

MUTQ 286 3:2-3
Brass Techniques
Techniques of all brass instruments. An in-depth look at methods and practices of teaching brass players. The addition of a 'lab band' will aid students in giving practical experience in teaching of brass players. This will provide the practical and vital experience in teaching and playing brass instruments before internship or work with an ensemble.
Note: Restricted to students in BMus, BMusEd, BEd Arts Education (music major and minor), BEd Secondary Education (music major and minor), and BA in Fine Arts (music).
Note: Students cannot receive credit for both MU 186 and MUTQ 286.

MUTQ 287 2:2-0
Percussion Techniques
Basic techniques for playing and teaching all percussion instruments used in bands and orchestras. Practical emphasis will be placed on snare drum, mallet instruments, timpani, and drum set.
* Restricted to students in BMus, BMusEd, BEd Arts Education (music major and minor), BEd Secondary Education (music major and minor), and BA in Fine Arts (music). *
Note: Students cannot receive credit for both MU 187 and MUTQ 287.

MUTQ 288 3:2-3
Jazz Ensemble Techniques
Direction of jazz ensembles and interpretation of jazz phrasing and styles.
Note: Restricted to students in BMus, BMusEd, BEd Arts Education (music major and minor), BEd Secondary Education (music major and minor) and BA with a major in music.
Note: Students cannot receive credit for both MU 188 and MUTQ 188.

MUTQ 384 1.5:0-0
String Techniques
Continuation of MU 184. Students will specialize in one instrument, but not in their major.
***Prerequisite: MUTQ 284 ***
Note: Students cannot receive credit for both MU 284 and MUTQ 384.

MUTQ 385 1.5:0-0
Woodwind Techniques
Continuation of MUTQ 285. Students will specialize in one instrument, but not in their major.
Prerequisite: MUTQ 285
Note: Students cannot receive credit for both MU 285 and MUTQ 385

MUTQ 386 1.5:0-0
Brass Techniques
Continuation of MUTQ 286. Students will specialize in one instrument, but not in their major.
Prerequisite: MUTQ 286
Note: Students cannot receive credit for both MU 286 and MUTQ 386

MUTQ 388 2:2-2
Jazz Band Styles and Analysis
A continuation of MUTQ 288, including more in-depth study of jazz score analysis and styles. Students will also examine instructon and performances standards with a jazz band.
***Prerequisite: MUTQ 288 or permission of department head ***
Note: Students cannot receive credit for both MU 288 and MUTQ 388.

MUTU Music Tuba

MUTU 131 2:0.8-0
Applied Music Tuba
** Permission of the department head is required to register. **

MUTU 132 2:0.8-0
Applied Music Tuba
***Prerequisite: MUTU 131 ***

MUTU 231 2:0.8-0
Applied Music Tuba
***Prerequisite: MUTU 132 ***

MUTU 232 2:0.8-0
Applied Music Tuba
***Prerequisite: MUTU 231 ***

MUTU 241 3:1-0
Applied Music Tuba
***Prerequisite: MUTU 132 ***

MUTU 242 3:1-0
Applied Music Tuba
***Prerequisite: MUTU 241 ***

MUTU 331 2:0.8-0
Applied Music Tuba
***Prerequisites: MUTH 212 and MUTU 232 ***

MUTU 332 2:0.8-0
Applied Music Tuba
***Prerequisite: MUTU 331 ***

MUTU 339 3:1-0
Recital - Tuba
A public recital on the tuba. For the student completing recital requirements in the BMUS composition, music history, and in the BMUS Ed program.

MUTU 341 3:1-0
Applied Music Tuba
***Prerequisites: MUTH 212 and MUTU 242 ***

MUTU 349 3:1-0
Recital - Tuba
A public recital on the tuba. For students in BMus program performance concentration. This recital is given in the third year of study.

MUTU 431 2:0.8-0
Applied Music Tuba
***Prerequisite: MUTU 332 ***

MUTU 441 3:1-0
Applied Music Tuba
Prerequisite: MUTU 349.

MUTU 449 6:1-0
Recital - Tuba
A one-hour public recital on the tuba. For students in the BMus program concentration in performance. This recital is to be given in the final year of study.

MUVA Music Viola

MUVA 131 2:0.8-0
Applied Music Viola
** Permission of the department head is required to register. **

MUVA 132 2:0.8-0
Applied Music Viola
***Prerequisite: MUVA 131 ***

MUVA 231 2:0.8-0
Applied Music Viola
***Prerequisite: MUVA 132 ***

MUVA 232 2:0.8-0
Applied Music Viola
***Prerequisite: MUVA 231 ***

MUVA 241 3:1-0
Applied Music Viola
***Prerequisite: MUVA 132 ***

MUVA 242 3:1-0
Applied Music Viola
***Prerequisite: MUVA 241 ***

MUVA 331 2:0.8-0
Applied Music Viola
***Prerequisites: MUTH 212 and MUVA 232 ***

MUVA 332 2:0.8-0
Applied Music Viola
***Prerequisite: MUVA 331 ***

MUVA 339 3:1-0
Recital - Viola
A public recital on the viola. For the student completing recital requirements in the BMUS composition, music history, and in the BMUS Ed program.

MUVA 341 3:1-0
Applied Music Viola
***Prerequisites: MUTH 212 and MUVA 242 ***

MUVA 349 3:1-0
Recital - Viola
A public recital on the viola. For students in BMus program performance concentration. This recital is given in the third year of study.

MUVA 431 2:0.8-0
Applied Music Viola
***Prerequisite: MUVA 332 ***

MUVA 441 3:1-0
Applied Music Viola
Prerequisite: MUVA 349.

MUVA 449 6:1-0
Recital - Viola
A one-hour public recital on the viola. For students in the BMus program concentration in performance. This recital is to be given in the final year of study.

MUVC Music Violocello

MUVC 131 2:0.8-0
Applied Music Violoncello
** Permission of the department head is required to register. **

MUVC 132 2:0.8-0
Applied Music Violoncello
***Prerequisite: MUVC 131 ***

MUVC 231 2:0.8-0
Applied Music Violoncello
***Prerequisite: MUVC 132 ***

MUVC 232 2:0.8-0
Applied Music Violoncello
***Prerequisite: MUVC 231 ***

MUVC 241 3:1-0
Applied Music Violoncello
***Prerequisite: MUVC 132 ***

MUVC 242 3:1-0
Applied Music Violoncello
***Prerequisite: MUVC 241 ***

MUVC 331 2:0.8-0
Applied Music Violoncello
***Prerequisites: MUTH 212 and MUVC 232 ***

MUVC 332 2:0.8-0
Applied Music Violoncello
***Prerequisite: MUVC 331 ***

MUVC 339 3:1-0
Recital - Violocello
A public recital on the violocello. For the student completing recital requirements in the BMUS composition, music history, and in the BMUS Ed program.

MUVC 341 3:1-0
Applied Music Violoncello
***Prerequisites: MUTH 212 and MUVC 242 ***

MUVC 349 3:1-0
Recital - Violocello
A public recital on the violocello. For students in BMus program performance concentration. This recital is given in the third year of study.

MUVC 431 2:0.8-0
Applied Music Violoncello
***Prerequisite: MUVC 332 ***

MUVC 441 3:1-0
Applied Music Violoncello
Prerequisite: MUVC 349.

MUVC 449 6:1-0
Recital - Violocello
A one-hour public recital on the violocello. For students in the BMus program concentration in performance. This recital is to be given in the final year of study.

MUVN Music Violin

MUVN 131 2:0.8-0
Applied Music Violin
** Permission of the department head is required to register. **

MUVN 132 2:0.8-0
Applied Music Violin
***Prerequisite: MUVN 131 ***

MUVN 231 2:0.8-0
Applied Music Violin
***Prerequisite: MUVN 132 ***

MUVN 232 2:0.8-0
Applied Music Violin
***Prerequisite: MUVN 231 ***

MUVN 241 3:1-0
Applied Music Violin
***Prerequisite: MUVN 132 ***

MUVN 242 3:1-0
Applied Music Violin
***Prerequisite: MUVN 241 ***

MUVN 331 2:0.8-0
Applied Music Violin
***Prerequisites: MUTH 212 and MUVN 232 ***

MUVN 332 **2:0.8-0**
Applied Music Violin
***Prerequisite: MUVN 331 ***

MUVN 339 **3:1-0**
Recital - Violin
A public recital on the violin. For the student completing recital requirements in the BMUS composition, music history, and in the BMUS Ed program.

MUVN 341 **3:1-0**
Applied Music Violin
***Prerequisites: MUTH 212 and MUVN 242 ***

MUVN 349 **3:1-0**
Recital - Violin
A public recital on the violin. For students in BMus program performance concentration. This recital is given in the third year of study.

MUVN 431 **2:0.8-0**
Applied Music Violin
***Prerequisite: MUVN 332 ***

MUVN 441 **3:1-0**
Applied Music Violin
Prerequisite: MUVN 349.

MUVN 449 **6:1-0**
Recital - Violin
A one-hour public recital on the violin. For students in the BMus program concentration in performance. This recital is to be given in the final year of study.

MUVO Music Voice

MUVO 131 **2:0.8-0**
Applied Music Voice
** Permission of the department head is required to register. **

MUVO 132 **2:0.8-0**
Applied Music Voice
***Prerequisite: MUVO 131 ***

MUVO 231 **2:0.8-0**
Applied Music Voice
***Prerequisite: MUVO 132 ***

MUVO 232 **2:0.8-0**
Applied Music Voice
***Prerequisite: MUVO 231 ***

MUVO 241 **3:1-0**
Applied Music Voice
***Prerequisite: MUVO 132 ***

MUVO 242 **3:1-0**
Applied Music Voice
***Prerequisite: MUVO 241 ***

MUVO 331 **2:0.8-0**
Applied Music Voice
***Prerequisites: MUTH 212 and MUVO 232 ***

MUVO 332 **2:0.8-0**
Applied Music Voice
***Prerequisite: MUVO 331 ***

MUVO 339 **3:1-0**
Recital - Voice
A public voice recital. For the student completing recital requirements in the BMUS composition, music history, and in the BMUS Ed program.

MUVO 341 **3:1-0**
Applied Music Voice
***Prerequisites: MUTH 212 and MUVO 242 ***

MUVO 349 **3:1-0**
Recital - Voice
A public voice recital. For students in BMus program performance concentration. This recital is given in the third year of study.

MUVO 431 **2:0.8-0**
Applied Music Voice
***Prerequisite: MUVO 332 ***

MUVO 441 **3:1-0**
Applied Music Voice
Prerequisite: MUVO 349.

MUVO 449 **6:1-0**
Recital - Voice
A one-hour public voice recital. For students in the BMus program concentration in performance. This recital is to be given in the final year of study.

NAK Nakota (Assiniboine)

NAK 100 **3:3-0**
Conversational Nakota I
Introduction to the Nakota language, with emphasis on oral expression, basic grammar, and writing in Roman orthography.

NAK 101 **3:3-0**
Conversational Nakota II
A continuation of NAK 100. Further grammar and conversation practice for Nakota.
***Prerequisite: NAK 100 ***

NAK 104 **3:3-0**
Nakota Grammar and Orthography I
This course is designed for students who speak some Nakota. Emphasis is on Roman orthography and basic grammar, with some attention to dialect variation.
** Permission of the department head is required to register. **

NAK 105 **3:3-0**
Nakota Grammar and Orthography II
A continuation of NAK 104. Further study of the grammar and orthography. An introduction to short composition.
***Prerequisite: NAK 104 or permission of department head ***

NAK 202 **3:3-0**
Intermediate Nakota I
This course is a continuation of the Nakota oracy and literacy skills introduced at the 100-level. Intermediate grammatical structures are introduced through oral practice and the study of oral and written literature.
Prerequisite: NAK 101 or 105

NAK 203 3:3-0
Intermediate Nakota II
A continuation of NAK 202. Further oral practice in Nakota with additional grammatical instruction and an introduction to short composition.
Prerequisite: NAK 202

NAK 206 3:3-0
Nakota Linguistics
Linguistic concepts for the scientific analysis of Nakota, with comparison to the closely related Dakota dialect. Application to language teaching.
Prerequisite: NAK 101 or NAK 105 or permission of the department head.

NAK 225 3:3-0
Nakota Transcription and Writing
Practice with the roman orthography for Nakota consisting of transcription exercises and short expository and creative compositions.
Prerequisite: NAK 203.

NSLI	Nonprofit Sector Leadership & Innovation

NSLI 200 3:3-0
Foundations of the Nonprofit Sector
An introduction to the nonprofit and voluntary sector in Canada and the organizations that comprise it. The course examines the history, size, scope, and roles of the sector in society, relationships with government and other sectors and accountability in the context of governing and managing a private not-for-profit corporation.
Pre-requisite: Completion of 15 credit hours or permission of the Department.
*Note: Formerly numbered IDS 290AA. Students may receive credit for only one of IDS 290AA or NSLI 200. *

NSLI 300 3:3-0
Nonprofit Organization Management
This course is an introduction to nonprofit organization management and leadership. It focuses on the leadership competencies of effective managers from the Competing Values Approach to organization effectiveness. Students will explore management situations and the leadership competencies to address them in different dimensions of organization effectiveness.
Pre-requisite: NSLI 200 or IDS 290AA or permission of the Department.

NSLI 310 3:3-0
Nonprofit Human Resources
A focus on human resources fundamentals and management for both paid staff and volunteers in nonprofits, including recruitment, screening, orientation, evaluation, retention, supervision/mentoring, job descriptions, policies and procedures, records management, communication and recognition, confidentiality, relationships, conflict resolution and self care. Labour, human rights and cultural diversity standards are examined.
Pre-requisite: NSLI 200 or IDS 290AA or permission of the Department.

NSLI 320 3:3-0
Nonprofit Advocacy and Community Development
Theoretical and practical consideration of nonprofit advocacy work, including power structures and systems, government structures, community development and organizing, and networking and engaging community residents to achieve changes in public policies and programs and to educate about societal problems. Legal restrictions on charities' advocacy are examined.
Prerequisite: NSLI 200 or permission of the Department.
Note: Students may take one of IDS 290AE and NSLI 320 for credit.

NSLI 330 3:3-0
Nonprofit Communications and Strategic Relationship Building
Communications with the general public, governments, other nonprofits, businesses, media, funders and donors in order to build intentional relationships are explored. Theory and practice are integrated in examining relationships and accountabilities. New perspectives on social media, virtual/public presence, branding, key messages, and time-sensitive response mechanisms are discussed.
Pre-requisite: NSLI 200 or IDS 290AA or permission of Department.

NSLI 340 3:3-0
Nonprofit Program Planning and Evaluation
Effective program planning and evaluation based on understanding the shifting external environment in which staff and volunteers operate, as well as their internal environment. Includes mixed methods research; external environment trend analyses and projections; internal organization database management and analytic strategies; program evaluation and decision-making models; and special projects management.
Prerequisite: NSLI 200 or permission of the Department.

NSLI 350 3:3-0
Nonprofit Financial Management and Philanthropy
Financial management and philanthropy, focusing on diverse funding sources and formulas: governments, donors, corporate sponsorships, fundraising, social enterprises, etc. Introduction to financial monitoring systems, roles in nonprofit organizations, creating and monitoring annual budgets, internal and external reports and procedures, cost accounting methods, long range financial planning, building capacity for innovation.
Prerequisite: NSLI 200 or permission of the Department.

NSLI 360 3:3-0
Nonprofit Organization Governance and Leadership
The course emphasizes theoretical and practical considerations in the governance of nonprofit organizations. It focuses on what boards, the volunteers who serve on them do, and how they do it to maximize nonprofit governance and organizational effectiveness. Emphasis on competencies of highly effective boards, CEOs, board chairs, and leadership volunteers.
Prerequisite: NSLI 200 or permission of the Department.

NSLI 390 3:3-0
Nonprofit Organization Special Topic
One or more courses examining specialized aspects of leading and managing a nonprofit organization.

NURS	Nursing

NURS 001 0:0-2
Foundations of Nursing Assessment
Foundations of Nursing AssessmentThis course introduces beginning concepts of nursing assessment focusing on expected and normal findings in the healthy adult. Learners will have the opportunity to explore the relationship of nursing assessment to related theory from anatomy, physiology, and human development.
Prerequisite: KIN 260, KIN 267 and KIN 268 or permission from the Dean of Nursing.

PAST — Pastoral Studies

PAST 310 3:3-0
Introduction to Pastoral Studies
The course will introduce the student to Pastoral Studies: history and theology; correlation with social sciences; and application and preparation.
** Permission of the Director is required to register. **

PAST 320 3:3-0
Pastoral Care
The course will explore several theories of pastoral care, related skills, and their application to specific ages, social groupings, institutions and problem areas.
***Prerequisite: PAST 310, PSYC 101, PSYC 102, and PSYC 210 or PSYC 230 ***

PAST 330 3:3-0
Foundations of Pastoral Care
The course examines the religious foundations of a Christian understanding of ministry and pastoral care. Attention will be paid to constitutive components of ministry, drawing on resources from the fields of biblical studies, ecclesiology, ethics, theological anthropology and ecumenism.
***Prerequisite: PAST 310, one 100 level RLST course, and one 200 level RLST course ***

PAST 340 3:3-0
Contemporary Spirituality
This course will define the circumference of an adequate Christian spirituality from: (a) an individual and personal viewpoint; (b) a broader historical focus; and, (c) an academic stance that will supply the tools for one's personal critical assessment.
** Permission of Director is required to register. **

PAST 390 1-3:3-0
Selected Topics in Pastoral Studies - an AA-ZZ series.
This course will examine selected topics in Pastoral Studies in some detail. Topics may include: life-span development and pastoral care, pastoral care in parishes, and pastoral care in schools.

PAST 400 0:3-0
Pastoral Studies Practicum
This is a required course for all students. With support from the practicum supervisor, students will become directly involved in pastoral counseling to clients in the community. This practicum is 80 hours in duration, however, the exact days or hours per day will be negotiated between the student and the agency.
***Prerequisite: PAST 310 and PAST 320 ***

PHIL — Philosophy

PHIL 100 3:3-0
Introduction to Philosophy
This introduction to philosophy will explore how philosophy can provide answers to some of the more profound questions we face, such as questions concerning knowledge, truth, mind and body, personal identity, free will, morality, politics, reasoning and the existence of God.
*Note: Topics will vary with sections of this course *

PHIL 150 3:3-0
Critical Thinking
An introduction to the systematic study of reasoning, this course will teach the theory and practice of good reasoning. It will provide students with reasoning skills that are useful in whichever discipline and career they may pursue.
*Note: Formerly named LGC 100. Students may receive credit for one of LGC 100 or PHIL 150. *

PHIL 190 3:3-0
Alternative Introductions to Philosophy - an AA-ZZ series course
Courses that seek to introduce students to philosophy through emphasis on particular aspects of the field.

PHIL 210 3:3-0
Pre-Socratics and Plato
A critical survey of philosophy concentrating on the pre-Socratics and Plato. Special attention will be given to historical continuity between theories and to the genesis of perennial philosophical problems.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 211 3:3-0
Aristotle and Later Greek Philosophy
A critical survey of philosophy concentrating on Aristotle and later Greek philosophers such as the Stoics, the Epicureans, and Plotinus. Topics may include language, ethics, psychology, politics, and other major divisions of human thought.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 212 3:3-0
Medieval Philosophy
A study of the work of major philosophers from the 5th to the 15th century selectively drawing from the writings of Boethius, Augustine, Abelard, Aquinas, Roger Bacon, Duns Scotus, and Ockham.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 213 3:3-0
Early Modern Philosophy
A critical examination of some of the works of the major empiricist and rationalist philosophers. The philosophers discussed will be selected from Descartes, Leibniz, Spinoza, Locke, Berkeley, Hume, and Kant. Special attention will be given to the conflict between empiricism and rationalism.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***
Please Note: The next expected offering of this course will be winter 2013

PHIL 214 3:3-0
Late Modern Philosophy
A critical survey of philosophy in the 19th and early 20th centuries. The background of contemporary philosophy and its historical continuity will be developed with such philosophers as Hegel, Marx, Kierkegaard, Schopenhauer, Mach, and James.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 216 3:3-0
Existential Philosophy
A discussion of the writings of representative existentialist thinkers, including Kierkegaard, Nietzsche, Jaspers, Heidegger, Marcel, Sartre, and Camus.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 235 3:3-0
Knowledge and Reality
A critical examination of the core questions in Epistemology and Metaphysics. What is Knowledge? How does knowledge differ from mere belief? Is it possible for us to have it? What are its scope and limits? What is the ultimate nature of reality? What is a person? What is a mind? What is free will and do we have it?
***Prerequisite: Philosophy 100 or 15 credit hours ***
Note: Formerly numbered PHIL 230 and 240. Students may receive credit for only one of PHIL 235 or 230 or 240.

PHIL 241 3:3-0
Philosophy of Science
A critical examination of some of the problems of the nature of scientific theory, the status of scientific laws, induction and the foundation of probability, confirmation, analysis of causality, and the nature of scientific explanation.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***
*Note: This course is an elective in the Science and Technology Studies minor. *

PHIL 242 3:3-0
Philosophy of Religion
An analysis of religious claims concerning the existence of God, religious experience, faith, revelation, and immortality. Modern and contemporary works will receive major attention.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 243 3:3-0
Philosophy of Human Nature
A study of classical and contemporary views on human nature. These views will be drawn from a variety of philosophical traditions such as the classical and medieval tradition, the Cartesian view, and the dialectical tradition, as well as recent views to be found in the writings of naturalistic, analytic, phenomenological, and existential philosophers.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 244 3:3-0
Philosophical Study of Angels
A critical examination in speculative metaphysics of the idea of angels which will investigate arguments both for the possibility and for the actual existence of such beings, as well as an exploration into the possibilities of what such beings might be like.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 245 3:3-0
Philosophy of Feminism
A philosophical examination of key issues of and about feminism. Topics may include: feminist epistemology, conceptions of equality, censorship, pornography, employment equity.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 246 3:3-0
Animal Minds and Human Morals
Topics: Do Animals have minds, desires, beliefs and feelings? Are animals capable of language, self-awareness and autonomy? Do animals have moral standing and rights? Is it moral to confine animals in zoos, use them for entertainment in rodeos, trap them, eat them, and do medical experiments on them? ***Prerequisite: PHIL 100 or completion of 15 credit hours***

PHIL 270 3:3-0
Ethics
A critical introduction to the problems of moral philosophy, such as good and evil, virtue and vice, right and wrong, and related moral concepts. Readings will normally be selected from the following philosophers: Plato, Aristotle, St. Augustine, Aquinas, Hume, Kant, Hegel, Mill and Nietzsche.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 271 3:3-0
Social and Political Philosophy
A critical analysis and evaluation of selected philosophical writings on justice, liberty, happiness, and the rights and obligations of the individual as a member of society. Authors studied will usually be selected from Machiavelli, Hobbes, Locke, Hume, Rousseau, Mill, Burke, Marx, and Marcuse.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 272 3:3-0
Contemporary Moral Issues
A philosophical consideration of such contemporary moral issues as racism, sexism, abortion, the right to privacy, adultery, homosexuality, capital punishment, pacifism, the obligation to obey laws, and social justice.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 273 3:3-0
Biomedical Ethics
A philosophical examination of such issues as the definition and determination of death, rights of dying persons, euthanasia and natural death, and such moral questions in the physician-patient relationship as confidentiality, truth-telling and coercion against religious belief.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 274 3:3-0
Philosophy of Law
Questions in legal philosophy such as: what is law? What is the relationship between law and morality? How, if at all, is punishment justified? What are the requirements for holding people responsible for their actions?
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 275 3:3-0
Environmental Ethics
A philosophical examination of moral, social, and political issues concerning the environment. Topics may include: the nature of Nature; the moral status of non-human animals, species, and eco-systems; the relationship between economic systems and the environment; environmental aesthetics; ownership and use of resources; population and future generations; eco-feminism.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 276 3:3-0
Professional Ethics
Philosophical consideration of ethical problems which arise in the context of the conduct of various professions. Areas may include justice, business ethics, biomedical ethics, ethics of education, ethics of privacy and confidentiality (with applications to journalism, social work, psychology), and environmental ethics.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***
Note: Students may receive credit for only one of PHIL 276 or JS 276.

PHIL 277 3:3-0
Ethical Issues in Science and Technology
Using a series of case studies, this class will examine ethical issues and controversies engendered by science and technology.
***Prerequisite: Completion of 15 credit hours ***

PHIL 278 3:3-0
Aesthetics
Introduction to the philosophy of art through an examination of such problems as the definition of art, the nature of beauty and aesthetic experience, interpretation and criticism, structure and form. The writings of great thinkers in the subject, from Plato to the present time, will be examined.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 280 3:3-0
Philosophy Through Film
An introduction to philosophy through an examination of philosophical issues as they occur in film and other visual media.
***Prerequisite: PHIL 100 or 15 credit hours. ***

PHIL 281 3:3-0
Philosophy of Sexuality and Love
An examination of philosophical approaches to love, friendship, marriage and sexuality. Topics include: the nature of sexuality; theories of perversion; sexual ethics and pornography, prostitution, promiscuity and adultery; varieties/forms of love, sexuality, and friendship; the significance of gender within the philosophy of sex and love.
***Prerequisite: PHIL 100, or completion of 15 credit hours. ***

PHIL 282 3:3-0
Philosophical Issues in Sustainable Development
This course critically examines sustainable development from a philosophical perspective clarifying its various meanings, coherence, and implications. Underlying principles (such as the precautionary principle), relationship to other concepts (such as sustainable growth), and implied ethical obligations are explored. The merits of different sustainable development strategies are philosophically examined.
***Prerequisite: PHIL 100, or completion of 15 credit hours. ***

PHIL 290 3:3-0
Selected Topics in Philosophy - an AA-ZZ series.
A critical examination of some selected topics in philosophy.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 291 3:3-0
Selected Topics - an AA-ZZ series.
A critical examination of some selected topics in philosophy.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 292 3:3-0
Selected Topics - an AA-ZZ series.
A critical examination of some selected topics in philosophy.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 293 3:3-0
Selected Topics - an AA-ZZ series.
A critical examination of some selected topics in philosophy.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 294 3:3-0
Selected Topics - an AA-ZZ series.
A critical examination of some selected topics in philosophy.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 295 3:3-0
Selected Topics - an AA-ZZ series.
A critical examination of some selected topics in philosophy.
***Prerequisite: PHIL 100 or completion of 15 credit hours ***

PHIL 310 3:3-0
Studies in the History of Philosophy - an AA-ZZ series.
A critical examination of the thought of a particular philosopher or philosophical movement. Emphasis is on a detailed analysis of original sources. Philosophers who have been taught include Aristotle, Kant, Wittgenstein, Sartre, and Heidegger.
***Prerequisite: One 200-level PHIL course or permission of department head ***

PHIL 312 3:3-0
Aristotle's Ethics I
An intensive reading of Aristotle's writings in ethics, particularly the Nicomachean Ethics.
***Prerequisite: One 200-level PHIL course or permission of the department head. ***

PHIL 313 3:3-0
Continental Philosophy
A critical examination of developments in French and German philosophy from the early twentieth century to the present. Figures to be studied may include Husserl, Heidegger, Gadamer, Derrida, Levinas, Irigaray, and Ricoeur.
***Prerequisite: One 200-level philosophy course or permission of department head. ***

PHIL 328 3:3-0
Advanced Topics on Kant - an AA-ZZ series.
A seminar on Kant. An intensive study of one or more aspects of Kant's philosophy.
***Prerequisite: One 200-level philosophy course or permission of department head. PHIL 213 is recommended. ***

PHIL 329 3:3-0
Kant's Ethics I
A study of the moral philosophy of Immanuel Kant and its impact from the time of his contemporaries to the present.
***Prerequisite: One 200-level PHIL course or permission of the department head. ***

PHIL 332 3:3-0
Philosophy of History
A study of philosophical problems concerning the nature of historical explanation and knowledge, causality in history, historical necessity, meaning, purpose, and truth. The approaches of authors such as Hegel, Nietzsche, Collingwood, and others will be considered.
***Prerequisite: One 200-level PHIL course or permission of department head ***

PHIL 335 3:3-0
Topics in Philosophy - an AA-ZZ series.
A critical examination of some selected philosophical problems.
***Prerequisite: One 200-level PHIL course or permission of department head ***

PHIL 336 3:3-0
Epistemology I
Epistemology is the study of the nature, sources and limits of knowledge. This course introduces students to the main topics in classical and contemporary epistemology: What is knowledge?, How may one acquire knowledge?, What are the scope and limitations of knowledge?.
***Prerequisite: One 200-level course in Philosophy, or permission of department head. ***
Please Note: The next expected offering of this course will be winter 2013

PHIL 337 3:3-0
Metaphysics I
Metaphysics is that part of philosophy which asks the most general questions about the fundamental nature of reality. Topics will be selected from the following: realism and idealism, existence, universals and particulars, objects and properties, relations, causation, necessity, time and space, persons, identity, mind and body, freedom and determinism. ***Prerequisite: One 200-level Philosophy course or permission from department head.***

PHIL 344 3:3-0
Philosophy of Mind I
A critical examination of problems related to the nature of mind, through consideration of such theories of mind as dualism, behaviourism, materialism, functionalism, and eliminativism, or such problems as consciousness, intentionality, and privacy.***Prerequisite: One 200-level philosophy course or permission of the department head***
This course is equivalent to PHIL 330. Students may not hold credit for both PHIL 330 and 344.

PHIL 345 3:3-0
Philosophy of Language I
A critical examination of theories of language by consideration of such topics as meaning, the relation of meaning to use, sense and reference, and by consideration of such topics as vagueness, open texture and metaphor. ***Prerequisite: One 200-level philosophy course or permission of the department head*** **This course is equivalent to PHIL 331. Students may not hold credit for both PHIL 331 and 345.**

PHIL 346 3:3-0
Philosophy of Action I
A critical examination of the main competing theories of human action and agency, this course will consider such issues as the nature of action, mistake, accident and inadvertence; the nature of the relevant mental antecedents of actions and the relations which hold between behaviour and its mental antecedents; intentionality and unintentionality; practical reasoning and planning; autonomy and heteronomy; the extent of intention and responsibility. ***Prerequisite: One 200-level philosophy course or permission of the department head*** **This course is equivalent to PHIL 335BA. Students may not hold credit for both PHIL 335BA and 346.**

PHIL 352 3:3-0
Introduction to Symbolic Logic
An introduction to the syntax and semantics of propositional and first-order predicate logic: natural language translations and logical form; truth tables; semantic trees, natural deduction systems.
Prerequisite: PHIL 150, or PHIL 100, or a mathematics course, or permission of department head.
* Note: Formerly named, PHIL 250. Students may not receive credit for both PHIL 250 and PHIL 352 *

PHIL 370 3:3-0
Advanced Ethics - an AA-ZZ series.
A study of recent theorizing about problems in the realm of moral philosophy.
***Prerequisite: One 200-level PHIL course or permission of department head ***

PHIL 371 3:3-0
Advanced Social and Political Philosophy
A study of recent theorizing about problems in the realm of social and political philosophy.
***Prerequisite: One 200-level PHIL course or permission of department head ***

PHIL 372 3:3-0
Studies in Ethical Theory - an AA-ZZ series.
A critical examination of particular ethical topics, points of view, or movements.
***Prerequisite: One 200-level PHIL course or permission of department head ***

PHIL 379 3:3-0
Marx
A careful examination of key philosophical issues and concepts in the work of Karl Marx, including alienation, the materialist theory of history and the critique of capitalism. While the ideas of other Marxian thinkers could from time to time be considered, the primary focus is on Marx's own writings. ***Prerequisite: One 200-level philosophy course, or permission of department head

PHIL 410 3:3-0
Advanced Studies in the History of Philosophy - an AA-ZZ series.
A seminar in a particular philosopher or a philosophical movement.
** Permission of the department head is required to register. **

PHIL 412 3:3-0
Aristotle's Ethics II
An advanced seminar on topics related to Aristotle's Nicomachean Ethics. ***Prerequisite: Permission of the department head.***

PHIL 413 3:3-0
Advanced Topics in Continental Philosophy
A critical examination of developments in French and German philosophy from the early twentieth century to the present. Figures to be studied may include Husserl, Heidegger, Gadamer, Derrida, Levinas, Irigaray, and Ricoeur.
** Permission of the department head is required to register. **

PHIL 420 3:3-0
Honours Tutorial
An intensive reading and writing course on selected topics in philosophy
***Prerequisite: Available to Honours students only, by permission of the department head ***

PHIL 428 3:3-0
Advanced Topics on Kant - an AA-ZZ series.
A seminar on Kant. An intensive study of one or more aspects of Kant's philosophy.
** Permission of the department head is required to register. **

PHIL 429 3:3-0
Kant's Ethics II
An advanced study of the moral philosophy of Immanuel Kant and its impact from the time of his contemporaries to the present.
Prerequisite: Permission of the department head.

PHIL 432 3:3-0
Classics of 20th Century Analytic Philosophy
A critical examination of the main movements of 20th century analytic philosophy. Philosophers discussed will be selected from the following: Russell, Frege, Moore, Wittgenstein, Ayer, Ryle, Hampshire, Carnap, Quine, Davidson, and others. ***Prerequisite: Permission of department head.***
Note: Formerly numbered PHIL 215. Students may receive credit for only one of PHIL 432 or 215.

PHIL 435 3:3-0
Advanced Topics in Philosophy - an AA-ZZ series.
A seminar in a particular philosophical problem.
** Permission of the department head is required to register. **

PHIL 436 3:3-0
Epistemology II
Seminar on selected topics in epistemology.
Prerequisite: Permission of department head.
Note: The next expected offering of this course will be winter 2013.

PHIL 437 3:3-0
Metaphysics II
A seminar on selected topics in Metaphysics. ***Prerequisite: Permission of department head.***

PHIL 444 3:3-0
Philosophy of Mind II
Seminar on Selected Topics in Philosophy of Mind.
Permission of the department head is required to register.
This course is equivalent to PHIL 344 and PHIL 435BC. Students may hold credit for only one of PHIL 330, PHIL 435BC or PHIL 444.

PHIL 445 3:3-0
Philosophy of Language II
Seminar on selected topics in Philosophy of Language. ***Permission of the department head is required to register*** **This course is equivalent to PHIL 435BB. Students may not hold credit for both PHIL 435BB and 445.**

PHIL 446 3:3-0
Philosophy of Action II
Seminar on selected topics in Philosophy of Action. ***Permission of the department head is required to register*** **This course is equivalent to PHIL 440. Students may not hold credit for both PHIL 440 and 446.**

PHIL 470 3:3-0
Ethics - an AA-ZZ series.
Seminar on selected topics within moral philosophy.
** Permission of the department head is required to register. **

PHIL 471 3:3-0
Advanced Studies in Value Theory - an AA-ZZ series.
A seminar in a particular area of value theory.
** Permission of the department head is required to register. **

PHYS Physics

PHYS 051 0:0-0
Physics Co-op Work Term
Four month co-op work term #1 approved by the department and arranged by the co-op coordinator.

PHYS 052 0:0-0
Physics Co-op Work Term #2
Four-month co-op work term #2 approved by the department and arranged by the co-op coordinator.
***Prerequisite: PHYS 051 ***

PHYS 053 0:0-0
Physics Co-op Work Term #3
Four-month co-op work term #3 approved by the department and arranged by the co-op coordinator.
***Prerequisite: PHYS 052 ***

PHYS 054 0:0-0
Physics Co-op Work Term #4
Four-month co-op work term #4 approved by the department and arranged by the co-op coordinator.
***Prerequisite: PHYS 053 ***

PHYS 055 0:0-0
Physics Co-op Work Term #5
Four-month Co-op work term #5 approved by the department and arranged by the Co-op coordinator.

PHYS 109 3:3-1.5
General Physics I
General algebra-based physics, including classical mechanics and geometrical optics.
Prerequisite: Pre-Calculus 30 or Calculus 30 or Math B30 and C30 or Math 102.
*Note: May not be taken for credit if a student has received credit for PHYS 111 or PHYS 112. Students cannot receive credit for both PHYS 105 and PHYS 109. *

PHYS 111 3:3-3
Mechanics
Kinematics in one, two and three dimensions, dynamics of particles and rigid bodies, including work, energy, and rotational kinematics and dynamics.
***Prerequisite: Physics 30 and MATH 110. Concurrent enrolment allowed. ***

PHYS 112 3:3-3
Waves and Optics
A course dealing with oscillations, wave motion, sound and geometrical and physical optics.
***Prerequisite: PHYS 111 (recommended) or 109, and MATH 105 or 110 (may be taken concurrently) ***

PHYS 119 3:3-1.5
General Physics II
A continuation of PHYS 109: Fluid mechanics, heat and thermodynamics, waves, sound, radiation, electrostatics and electric current.
***Prerequisite: PHYS 109 or ENGG 140 ***
Note: PHYS 119 may not be taken for credit if a student has previously received credit for PHYS 111 or PHYS 112

PHYS 140 3:3-0
Physics of Energy and the Environment
An exploration of the energy used in a wide variety of systems including cars and homes. Physical concepts will be applied to various energy production schemes and usages found in our lives. We will discuss today's dominant energy sources and the alternative energy sources of tomorrow. This semi quantitative course will provide a scientific foundation for the energy issues facing society. No physics background is required.

PHYS 142 3:3-0
From Quarks to the Cosmos
A conceptual approach will be used in this course which is directed towards liberal arts students. The aim is to understand the physical world, from the microscopic (building blocks of nature), through the macroscopic (everyday phenomena), to the galactic (universe). Only simple algebra will be employed. *Note: Physics majors may not take this course for credit*

PHYS 201 3:3-3
Electricity and Magnetism
An introduction to electricity and magnetism for science and engineering students, covering the topics of electrostatics, D.C. circuits, magnetism, and electromagnetic induction.
Prerequisite: MATH 213 and one of PHYS 111, 112 or 119. MATH 213 may be taken concurrently.

PHYS 202 3:3-0
Classical Mechanics I
A course in intermediate mechanics for physics majors and honours students as well as engineering students. Topics include motion of systems of particles and rigid bodies, accelerated reference frames, and central forces.
Prerequisite: MATH 213 and one of PHYS 111, 112 or 119. MATH 213 may be taken concurrently.

PHYS 219 3:3-0
Introductory Radiation Science and Biophysics
Radioactivity exists naturally in the soil, water, and air in variety of forms. Beneficial uses of manmade radiation include energy production, medical diagnoses and treatments, transportation safety, precision industrial measurements. This course covers the principles of radiation science and explores safe uses of radiation for betterment of our lives.
Prerequisite: PHYS 109 or PHYS 111

PHYS 242 3:3-1.5
Introduction to Modern Physics
Special theory of relativity, introduction to wave mechanics, early quantum physics, Bohr atom, radioactivity, and nuclear reactions.
***Prerequisite: PHYS 201 ***

PHYS 251 3:3-0
Mathematical Physics I
Curvilinear co-ordinates, partial differential equations, boundary value and initial value problems with special emphasis on physical systems, series solutions and special functions.
Prerequisite: MATH 213 and 217.

PHYS 261 3:3-1.5
Heat and Thermodynamics
An introduction to the concepts of temperature and thermometry, the laws of thermodynamics and applications, kinetic theory.
Prerequisite: MATH 111 and one of PHYS 111 or PHYS 112.
NOTE: PHYS 119 may be substituted for PHYS 112, with permission of the department head.

PHYS 301 3:3-0
Classical Mechanics II
The mechanics of rigid bodies, Hamilton and Lagrange equations of motion and their applications, oscillations and normal co-ordinates.
***Prerequisite: PHYS 202, MATH 213 and 217. MATH 217 may be taken concurrently. ***

PHYS 311 3:3-0
Electromagnetism I
Maxwell's equations, dielectric and magnetic properties of matter, and multipoles.
***Prerequisite: PHYS 201, MATH 213 and 217. MATH 217 may be taken concurrently. ***

PHYS 319 3:3-0
Health Physics
A course on radiation, its effects and protection of biological systems. Interaction of radiation with matter. Radiation detection and measurement. Introduction to dosimetry and dose calculations. Health instrumentation and risk management. ***Preequisite: PHYS 242 or PHYS 219***

PHYS 322 3:3-0
Physical Optics and Electromagnetic (E/M) Radiation
Maxwell's equations and E/M waves, the E/M spectrum, energy of an E/M wave, the Poynting vector, optics of planar surfaces, interference, coherence, polarization, Rayleigh scattering, Cerenkov radiation, and applications including waveguides and antennas.
***Prerequisite: PHYS 311 ***

PHYS 342 3:3-0
Atomic Physics
Operator formalism of modern quantum mechanics, commutation relations, the Schrodinger equation and its applications for the harmonic oscillator and one-dimensional potentials, central fields, the hydrogen atom and complex atoms.
Prerequisite: PHYS 112, 242 and 251. PHYS 251 may be taken concurrently.
Note: PHYS 119 may be substituted for PHYS 112, with permission of the department head.

PHYS 352 3:3-0
Mathematical Physics II
Tensor calculus, group theory, integral transforms, and Green's functions. ***Prerequisite: MATH 312 and PHYS 251***

PHYS 362 3:3-0
Statistical Mechanics
The theory of classical and quantum statistical mechanics and applications to systems of physical interest including lasers and atomic lasers.
***Prerequisite: PHYS 261 and 342. PHYS 342 may be taken concurrently. ***

PHYS 372 3:0-6
Modern Experimental Physics
An intermediate laboratory course, normally taken by physic majors and honours students in their third year, from subject matter covered in third-year courses.
***Prerequisite: PHYS 201, 202, 242, 261, and 292 ***

PHYS 392 3:3-1.5
Physics of Continuous Media
An introduction to elasticity and elastic moduli, fracture, fluid flow, viscous effects, compressible flow ideal fluid flow and applications.
Prerequisite: PHYS 202, MATH 213, and MATH 217. With permission of the department head, all courses may be taken concurrently.

PHYS 401 3:3-0
Quantum Mechanics I
Axiomatic formulation, representations, angular momentum and spin, pertubation theory, systems of identical particles, and matrix mechanics.
***Prerequisite: PHYS 301 and 342 ***

PHYS 411 3:3-0
Advanced Classical Mechanics
Hamilton-Langrange equations, Hamilton-Jacobi theory and applications, transformation theory, and special relativity.
Prerequisite: PHYS 251 and PHYS 301

PHYS 421 3:3-0
Solid State Physics
Physics of crystalline solids, binding, energy bands, lattice vibrations, and electronic properties.
Prerequisite: PHYS 342

PHYS 430 3:3-0
Introduction to General Relativity
Law of universal gravitation, the equivalence of inertial and gravitational mass, Riemannian geometry, Einstein's field equations, Schwarzschild solution, black holes and gravitational collapse, cosmology.
***Prerequisite: PHYS 411 ***

PHYS 432 3:3-0
Nuclear Physics
Radioactive decay mechanisms, interactions of nuclear radiation with matter, spectroscopy, nuclear models, and applications to medicine, material science, and engineering.
***Prerequisite: PHYS 342 and 401. PHYS 401 may be taken concurrently. ***

PHYS 442 3:3-0
Introduction to Elementary Particle Physics
Classification of particles, particle detectors and accelerators, invariance and conservation laws, hadron-hadron interactions, weak interactions, quark model and group theory, and introduction to QCD.
***Prerequisite: PHYS 401 ***

PHYS 471 3:0-6
Modern Experimental Physics II
Fourth-year lab combining modern experimental techniques together with material from 400-level courses.
***Prerequisite: PHYS 301, 311, 322, 342, and 372 ***

PHYS 491 1-3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students. These courses are restricted to students in an honours program.

PHYS 492 1-3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students. These courses are restricted to students in an honour program.

PHYS 493 1-3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students. These courses are restricted to students in an honours program.

PHYS 494 1-3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students. These courses are restricted to students in an honour program.

PHYS 495 1-3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students. These courses are restricted to students in an honours program.

PHYS 496 1-3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students. These courses are restricted to students in an honours program.

PHYS 497 1-3:3-0
Directed Readings - an AA-ZZ series.
Courses designed to meet the specific needs of individual students. These courses are restricted to students in an honours program.

PHYS 498 0:1-0
Senior Research
This course must be taken by all honours physics students, and by applied physics cooperative students in one term of their final year of study. Students are required to attend all seminars and to present an oral presentation and written report on a topic determined in consultation with the PHYS 498/499 coordinator.
Prerequisite: Completion of 90 credit hours.
Note: Permission of the department head is required to register.

PHYS 499 3:1-0
Honours Thesis
This course must be taken by all honours physics students. Students are required to attend all seminars and to present an oral presentation and written report on a topic determined in consultation with the PHYS 498/499 coordinator.
Prerequisite: PHYS 498.
Note: Permission of the department head is required to register.

PPE Philosophy, Politics, and Economics

PPE 200 3:3-0
Foundations of PPE
This inter-disciplinary course will focus on a particular issue (e.g. health care) and examine how that topic would be approached by each of the three disciplines of philosophy, politics, and economics. Emphasis will be placed on the differences between these approaches, and on understandings that emerge only through combining them.

PPE 400 3:3-0
Capstone Seminar in PPE
This course examines topics at the intersection of Philosophy, Politics, and Economics (e.g. justice, power, and choice), each in significant depth. The precise topics examined will vary to some extent, based on the expertise of the particular instructor and the research topics pursued by students in any given year.
Prerequisite: PPE 200 and have completed 60 credit hours.

PR Public Relations Certificate

PR 100 3:3-0
Foundations of Public Relations
This survey course will introduce students to the theoretical and practical foundations of public relations/communications. Students will examine key theories, models and ethical principles that underpin the profession; the nature and composition of public relations as a career; and the major steps in the strategic public relations process.

PR 101 3:3-0
Writing and Editing for Public Relations
This course will introduce students to the conventions and formats of writing for public relations, as distinguished from other forms of business writing. Students will develop an awareness of audience, objectives and key messages when planning their writing before moving on to practice with several common public relations formats.

PR 200 3:3-0
Strategic Communication Planning
Students will learn to apply strategic planning principles to the development of effective communication programs. The course will emphasize the use of research, analysis, goals, objectives, audience and issue analysis and measurement of results.
***Prerequisite: PR 100 ***

PR 201 3:3-0
Communications Tools and Techniques
An effective approach to Public Relations involves the activities of planning, implementing, and evaluating. The tools and techniques are how Public Relations is implemented. This course will outline the Public Relations tool kit and provide an understanding of which techniques are appropriate in specific situations.
***Prerequisite: PR 100 ***

PR 202 3:3-0
Research and Evaluation: Measuring Effectiveness and Success
How do you demonstrate the value of a communications strategy against ROI, education and behaviour change and your value as a communicator? Students will learn the importance of research and evaluation for measuring and demonstrating the effectiveness of communication activities.
Prerequisite: PR 100
Note: Students many not receive credit for both PR 202 and PR 37

PR 203 3:3-0
Media Relations
Students will learn how to navigate all contemporary forms of media and the complexities around traditional, social and online media. This course also provides a comprehensive analysis of the media and the development of skills to accommodate the needs of different media and stakeholders.
Prerequisite: PR 100 and PR 200 or PR 201
Note: Students many not receive credit for both PR 203 and PR 39

PR 204 3:3-0
Organizational Communications in Public Relations
This course examines the nature and function of communications in organizations, both internal and external, with an emphasis on concepts, tools, and skills to enhance effective communications. The course will include discussion of communicating change, cultural diversity, employee engagement and branding.
Prerequisite: PR 100

PR 205 3:3-0
Social Responsibility and Ethics
This course will provide an understanding of current ethical questions and professional codes of ethics when performing public relations tasks for media, the public, and other constituencies. Case studies and current literature will be used to explore applications of ethical practice in crisis situations. Issues related to corporate social responsibility will be emphasized, including the PR professional's role in managing and reflecting an organization's corporate culture.
***Prerequisite: PR 100 ***
Note: Students many not receive credit for both PR 205 and PR 38

PR 290 3:3-0
Public Relations Trends and Special Topics
Courses designed to cover current trends and selected topics in public relations/communications.
Prerequisite: PR 100

PSCI Political Science

PSCI 100 3:3-0
People, Power and Politics: An Introduction
An introduction to the issues, concepts and institutions of contemporary politics in both Canadian and international contexts, inviting critical thinking on subjects such as power, citizenship, democracy, diversity, feminism and colonialism. It links these topics to current world political events and issues. The objectives of the course are to introduce concepts and approaches in political studies; and to cultivate civic education.

PSCI 210 3:3-0
Introduction to Political Thought
This course introduces students to the works of some of the major figures in the history of political thought. Central issues such as justice, political authority, natural rights, sovereignty and democratic legitimacy will be explored in the ideas of some of the major figures in the history of political theory from ancient to modern times.
***Prerequisite: PSCI 100 ***

PSCI 220 3:3-0
Comparative Politics
An introduction to comparative analysis of industrial and developing states. Topics include: the economies and political traditions of the countries in question; contemporary patterns of politics and policy-making, individual and collective rights, governmental power and the functioning of executives, legislatures, bureaucracies, parties, and pressure groups in the context of current policy problems.
***Prerequisite: PSCI 100 ***

PSCI 230 3:3-0
Canadian Politics
An examination of the political structures and important forces shaping political decision-making in Canada. Emphasis is placed on national institutions and events.
***Prerequisite: PSCI 100 ***

PSCI 240 3:3-0
World Politics
A comprehensive introduction to international politics. This course is designed to help students establish a basic understanding of the history of war and peace, international relations theory, human security, international political economy, international law, and international organizations.
Prerequisite: IS 100 or PSCI 100

PSCI 310 3:3-0
Ancient Political Thought
This course examines the political philosophies of Plato and Aristotle. It explores questions of justice, goodness, and beauty, and considers ancient theories of virtue and the best political order for human beings. It may also include readings from the Pre-Socratics, Herodotus, Thucydides, Plutarch and others.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours, or permission from the department Head.

PSCI 311 3:3-0
Early Modern Political Theory
An examination of the ideas of major figures in early modern political thought such as Machiavelli, Hobbes, Locke, Spinoza and Descartes with a view to exploring the differences between ancient and modern political thought, and the origin of the modern idea of the state, conceptions of the individual, and the nature of community.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours.
*Note: Formerly numbered PSCI 214. Students may not receive credit for both PSCI 311 and PSCI 214. *

PSCI 312 3:3-0
American Political Thought
This course examines the intellectual origins and development of the American constitutional tradition from the colonial period to modern times. Topics include thinkers and works from the Founding and Jacksonian era, Lincoln and the slavery crisis, the populist and progressive movements, New Deal liberalism, and contemporary rights issues.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours. Concurrent enrolment allowed in PSCI 321.

PSCI 321 3:3-0
American Politics
This class explores the institutional and conceptual framework of democracy in America. We examine the theoretical foundations of the American political system and the major institutions of American government, including Congress, the Presidency, and the Supreme Court. We also study civil rights, political participation, and presidential elections.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours.

PSCI 323 3:3-0
Chinese Politics
This course focuses on modern Chinese politics, especially the post-Mao transition from revolution to reform. It introduces students to different approaches to the study of Chinese politics. In addition to the general overview of China's political traditions, revolution, and political institutions, some specific topics will also be examined.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours.

PSCI 326 3:3-0
Asian Politics
An examination of selected political systems in Asia; in addition to studying political structures and institutions, the course will focus on the connections between domestic policies and international relations.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours, or permission from the department Head.

PSCI 329 3:3-0
Religion and Politics
This course examines the relationship between religious belief, identity, and organizations and politics in the developed world. It treats theoretical and empirical examinations of topics including fundamentalism, secularization, social justice, and church-state separation.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours.
Note: Formerly numbered PSCI 390AO. Students may receive credit for only one of PSCI 390AO or PSCI 329.

PSCI 331 3:3-0
Canadian Federalism
This course examines the Canadian federal system from several analytical perspectives in order to come to conclusions about the nature of the system and its impact on politics in Canada. It pays particular attention to the development and present form of the Canadian constitution.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours
Note: Students may receive credit for only one of HIST 301 or PSCI 331

PSCI 334 3:3-0
Canadian Politics and the Charter of Rights
This course will examine the influence of the Charter of Rights on political issues and social change in Canada. Emphasis will be on civil liberties, group rights and political and socio-economic conflict, and the evolving roles of party politics, the judiciary, and extra-Parliamentary politics.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours.

PSCI 336 3:3-0
Business, Labour, and the State: Canada's Political Economy
Examines the roles played by business, organized labour, and federal and provincial governments in the construction of contemporary Canadian capitalism. Topics include Canada's early economic development, the rise of organized labour, business-labour relations, and the role of the state in Canada's economy.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours.

PSCI 337 3:3-0
Women in Politics
An introduction to women's participation in various aspects of Canadian political life, including the women's movement, party and electoral politics, legislatures, and the legal system.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours.

PSCI 338 3:3-0
Aboriginal People and Politics
This course considers the relationship between indigenous peoples and the Canadian state. Questions of the nature of colonialism, capitalism, citizenship and identity are raised, based on a critical reading of Canadian history and contemporary politics.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours.

PSCI 340 3:3-0
International Law
An introduction to the basic foundations of International Law including its sources, history, scope and key institutions.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours.

PSCI 341 3:3-0
Canadian Foreign Policy
This course introduces the student to the study of Canadian foreign policy.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours.

PSCI 342 3:3-0
Global Governance: International Organizations
The course studies the role of international organizations in contemporary global governance. It examines the functions of global and regional organizations in major issue areas, including peace and security, international economic relations, development, human rights and the environment. It investigates the effectiveness, legitimacy and accountability of the existing system of global governance such as the United Nations system.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours.
Note: this course is cross-listed with IS 301. Students may receive credit for only one of IS 301 or PSCI 342.

PSCI 343 3:3-0
International Political Economy
A critical examination of the relationship and interaction between world politics and the international economy, including topics such as international trade, financial debt crisis, multinational corporations, foreign aid and investment. Theoretical attention will be particularly paid to hegemony and leadership theory, development and underdevelopment, regionalism and integration, international regimes and globalization.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours.

PSCI 344 3:3-0
Political Economy of Development and Underdevelopment
This course considers the ways in which economic development has occurred in different states, taking into account transformations in global capitalism, superpower states, and political-economic alliances, and domestic political formations. Theoretical materials may include liberal and realist accounts as well as neo-Marxist critiques.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours.
*Note: Formerly numbered PSCI 270. Students may not receive credit for both PSCI 344 and PSCI 270. *

PSCI 347 3:3-0
War and Peace: Past, Present and Future
An examination of global security and conflict including the causes of war, the evolution of warfare, ethnic conflicts, Western military interventions, the democratic peace, and the future prospects of war and peace.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours.
Note: Formerly numbered PSCI 390AK. Students may receive credit for only one of PSCI 390AK or PSCI 347

PSCI 350 3:3-0
Elections, Parties, and Political Participation
Analysis of electoral systems, voting behaviour, and various conventional and unconventional forms of political participation. Examples from Canada and other countries will be examined and compared.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours.

PSCI 361 3:3-0
Local and Community Politics
This course addresses political processes and structures at the local level, and community as a venue for political action. Topics such as community power; local interest groups, issues and conflicts; local democracy; and the local/global dichotomy will be considered. Examples will be drawn from both urban and rural settings.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours.

PSCI 390 3:3-0
Selected Topics - an AA-ZZ series.
Courses in selected topics.
Prerequisite: Any 200-level PSCI course or the completion of 30 credit hours.

PSCI 400 3:0-0
Honours Project I
Work towards an Honours Paper under the supervision of a faculty member. Students must submit a proposal at the end of the fall term.
Prerequisite: PSCI 100, 210, 220, 230, 240 and SOST 201 and 203.
*Note: Students who do not achieve a grade of 75% in this course may not continue in the Honours program in political science. *

PSCI 401 3:0-0
Honours Project II
Completion of an Honours Paper under the supervision of a faculty member. Students must submit an extensive research paper based on their proposal in PSCI 400.
***Prerequisite: PSCI 400 with a minimum grade of 75% ***

PSCI 412 3:3-0
Modern Political Theory - Continental Tradition
An exploration of the ideas of some or all of the following: Rousseau, Kant, Hegel, Kierkegaard and Nietzsche.
***Prerequisite: Two PSCI courses at the 200 or 300 level or completion of 60 credit hours.
*** *Note: Formerly numbered PSCI 313. Students may not receive credit for both PSCI 412 and PSCI 313. *

PSCI 413 3:3-0
Modern Political Theory: The English Liberal Tradition
An exploration of the ideas of some or all of the following: Edmund Burke, David Hume, Adam Smith, Mary Wollstonecraft, Tom Paine, and John Stuart Mill.
Prerequisite: Two PSCI courses at the 200 or 300 level or completion of 60 credit hours.
*Note: Formerly numbered PSCI 314. Students may not receive credit for both PSCI 413 and PSCI 314. *

PSCI 415 3:3-0
Contemporary Political Theory
This course offers a selection of readings in contemporary political theory. Among the themes considered will be rights, multiculturalism, cosmopolitanism and democratic theory.
Prerequisite: Two PSCI courses at the 200 or 300 level or completion of 60 credit hours.

PSCI 425 3:3-0
Topics in Comparative Politics
An intensive study of modern theories and issues in comparative politics, such as rational choice theory, institutionalism, culturalism, and historical-structural analysis, as well as the issues of development and democratization, social movements, and rights and identities.
Prerequisite: Two PSCI courses at the 200 or 300 level or completion of 60 credit hours.

PSCI 434 3:3-0
Politics and the Media
This course examines in detail the structural and ideological aspects of the media in Canada and the world. Topics considered include the political economy of the media, its relationship to the political process and the internal structure of media institutions as they fulfill ideological functions.
Prerequisite: Two PSCI courses at the 200 or 300 level or completion of 60 credit hours.

PSCI 436 3:3-0
Topics in Public Policy
An examination of the methodological and theoretical approaches to the study of the policy process and an analysis of selected policy issues.
Prerequisite: Two PSCI courses at the 200 or 300 level or completion of 60 credit hours.

PSCI 438 3:3-0
Topics in the Canadian Constitution
An advanced seminar on the major constitutional negotiations in Canada since WWII. This course places particular emphasis on the patriation of the Constitution in 1982.
Prerequisite: Two PSCI courses at the 200 or 300 level or completion of 60 credit hours.

PSCI 439 3:3-0
The Politics of Health
This course examines the roles of the federal and provincial governments in the area of health policy. It traces the history of government involvement in medicare, workers' compensation, and occupation health.
Prerequisite: Two PSCI courses at the 200 or 300 level or completion of 60 credit hours.
*Note: Formerly numbered PSCI 339. Students may not receive credit for both PSCI 439 and PSCI 339. *

PSCI 442 3:3-0
Theories of International Relations
A study of the most important theories, approaches, concepts, and debates within the field of International Relations. Examining the connections between IR Theory and the actual events, both historical and contemporary, of world politics.
Prerequisite: Two PSCI courses at the 200 or 300 level or completion of 60 credit hours.

PSCI 443 3:3-0
Topics International Relations
This course is a seminar in selected topics in International Relations. Topics covered in this course may include the following: current issues of world politics; ethics and international affairs; international conflict and security; history of international relations; and the international political economy.
Prerequisite: Two PSCI courses at the 200 or 300 level or completion of 60 credit hours.

PSCI 451 3:3-0
Provincial Politics in Canada
An examination and comparison of politics in selected Canadian provinces, including mechanisms of intergovernmental co-operation and federal provincial relations.
Prerequisite: Two PSCI courses at the 200 or 300 level or completion of 60 credit hours.

PSCI 452 3:3-0
Topics in Canadian Politics
This course is a senior seminar, focusing on citizenship, identity, and democracy in the context of relevant political questions arising in the contemporary Canadian context. Students will consider theory, institutions and institutional reconfiguration, and democratic contestation.
Prerequisite: Two PSCI courses at the 200 or 300 level or completion of 60 credit hours.

PSCI 470 3:3-0
The Third World and Political-Economic Change
An advanced seminar concerned with political, social, and economic change in selected underdeveloped countries; an investigation into the dynamics of underdevelopment and the nature of the world economy.
Prerequisite: Two PSCI courses at the 200 or 300 level or completion of 60 credit hours.

PSCI 480 6:6-0
Provincial Legislative Internship Program
The study of Saskatchewan's provincial political institutions, politics, public policies, public management, and public administration through a combination of direct observations, directed readings, and research and analysis.
Must be chosen by a Legislative Internship Selection Committee prior to registration.
Note: All activities will take place at the Legislative Building in Regina. The internship runs for 7 months at times determined by the Legislative Internship Advisory Committee.

PSCI 490 1-3:3-0
Directed Readings - an AA-ZZ series.
Courses designed for individual students.
Prerequisite: Two PSCI courses at the 200 or 300 level or completion of 60 credit hours.

PSYC Psychology

PSYC 101 3:3-0
Introductory Psychology A
An introduction to the social science aspects of psychology, including the study of adjustment, disorders, development, personality and the social environment of the person.

PSYC 102 3:3-0
Introductory Psychology B
An introduction to the natural science aspects of psychology, including the study of brain and behaviour, perception, learning, memory, cognition, motivation and emotion.

PSYC 204 3:3-0
Research Methods in Psychology
A survey of research methods used in psychology. Students may be asked to participate in class research projects.
***Prerequisite: PSYC 101 and PSYC 102 ***

PSYC 210 3:3-0
Developmental Psychology
A study of developmental processes across the lifespan; the interaction between environmental and biological processes; maturational and learning factors; how these interact with social influences in the developing person.
***Prerequisite: PSYC 101 and PSYC 102 ***

PSYC 220 3:3-0
Social Psychology
The study of human behaviour in its social context dealing with the impressions we form of others and emphasizing the influence of group membership and interactions upon important psychological processes.
***Prerequisite: PSYC 101 and PSYC 102 ***
*Note: Web delivered class sections may be subject to an additional $50.00 material fee. *

PSYC 230 3:3-0
Perspectives on Personality
An integrative course examining various perspectives on the study of the person.
***Prerequisite: PSYC 101 and 102 ***

PSYC 255 3:3-0
Biological Foundations of Behaviour
An introduction to the structure and function of the nervous system. Emphasis is placed on the contributions a general understanding of fundamental brain mechanisms has made to contemporary theories of normal and abnormal behaviour.
Prerequisite: PSYC 101 and PSYC 102
Note: Students who have completed BIOL 407 may not take this course for credit

PSYC 270 3:3-0
Human Information Processing
A survey of theory and research findings in the areas of thought, skills, problem-solving, and expertise.
***Prerequisite: PSYC 101 and 102 ***

PSYC 305 3:3-0
Statistics in Psychology
An examination of statistical principles and their application to the solving of research problems in psychology. This course reviews descriptive statistics and emphasizes univariate inferential statistics of both the parametric and non-parametric type.
Prerequisite: PSYC 204 or SOST 201
Note: Students who have completed both STAT 100 and 200 or STAT 160 may not take this course for credit. STAT 100 and 200 or STAT 160 will fulfill the major requirement.

PSYC 310 3:3-0
Child Development
An in-depth study of prenatal, infancy, early and middle childhood developmental stages, and the relationship of these stages to pertinent caregivers.
***Prerequisite: PSYC 210 ***

PSYC 311 3:3-0
Adolescent Psychology
An in-depth study of adolescent development with special reference to adolescent identity from a female and male perspective, and with attention to the relationship of physiological, cognitive, and sociological dimensions.
***Prerequisite: PSYC 210 ***

PSYC 320 3:3-0
Advanced Topics in Social Psychology
A comprehensive examination of major topics, key issues, and current debates in social psychology.
***Prerequisite: PSYC 220 ***

PSYC 321 3:3-0
Forensic Psychology
An overview of the field of forensic psychology ? the intersection of psychology and the law. Topics include: psychology of police investigations, deception, eyewitness testimony, child victims and witnesses, juries, mental illness in court, sentencing and parole, domestic violence, sexual offenders, psychopathy, risk assessment, and special offender populations. ***Prerequisite: PSYC 101 and PSYC 102 and completion of 60 credit hours*** *Declared majors in Justice Studies may register with PSYC 101 OR 102 and completion of 60 credit hours*
Must not have previously received credit for PSYC 320 as a forensic course

PSYC 330 3:3-0
Psychology of Women
An examination of the major theories, research methodologies, and data in the field of the psychology of women. Philosophical values of feminism and the psychological impact of women's historical roles in society will be considered throughout.
***Prerequisite: PSYC 101, 102, and two 200 level courses in the social sciences, or permission of the instructor ***

PSYC 333 3:3-0
Abnormal Psychology
A comparative study of the nature and development of normal and disordered patterns of personality and behaviour.
***Prerequisite: PSYC 230 ***

PSYC 335 3:3-0
Psychology of Individual Behaviour and Interpersonal Relations
A study of the relationship between the self-concept and social behaviour in terms of the theoretical formulations of motivation, attitude formation, and group process.
***Prerequisite: PSYC 220 and 230 ***

PSYC 336 3:3-0
Humanistic Psychology
A comprehensive examination of the major theorists and key issues in humanistic psychology.
***Prerequisite: PSYC 230 ***

PSYC 337 3:3-0
Psychodynamic Psychology
An examination of theories and issues in psychodynamic psychology.
***Prerequisite: PSYC 230 ***

PSYC 338 3:3-0
Motivation and Emotion
A survey of theory and research findings in the areas of motivation and emotion.
***Prerequisite: PSYC 204 and 230 ***

PSYC 340 3:3-0
Psychology and Environmental Change
Mismatch between human activities and ecological maintenance processes causes many environmental problems. Psychology can thus be an important contributor to developing sustainable environmental practices. This class will review psychological theory and research on factors that influence environmentally responsible or irresponsible behaviour.
*** Prerequisite: Psychology 101 or 102 and completion of 45 credit hours or permission of the instructor ***

PSYC 355 3:3-0
Brain Mechanisms and Behaviour
An examination of the neural mechanisms underlying a broad range of normal and abnormal behaviours. Emphasis is placed on the neural mechanisms underlying motivation and arousal, learning and memory, and mental disorders.
***Prerequisite: PSYC 255 ***

PSYC 356 3:3-0
Human Neuropsychology
Theories and research concerning human brain-behaviour relationships and the effects of brain damage on behaviour will be examined.
***Prerequisite: PSYC 255 ***

PSYC 371 3:3-0
Learning
A survey of theory and research findings in the areas of human and animal learning.
***Prerequisite: PSYC 204, 270, and 305 ***

PSYC 372 3:3-0
Memory
A survey of theory and research findings in the area of memory and attention.
***Prerequisite: PSYC 204, 270, and 305 ***

PSYC 373 3:3-0
Human Reasoning
Examines how people use, misuse, and fail to use available information in reasoning and decision-making with emphasis on theoretical, interdisciplinary approaches to understanding human reasoning and applications in everyday life. Discussion of contemporary issues will complement ?hands-on? experience in designing and executing an empirical research study.
***Prerequisites: PSYC 204 and 270 ***
Note: PSYC 220 is recommended.

PSYC 374 3:3-0
Psycholinguistics
A survey of theory and research findings in the areas of language acquisition and use.
***Prerequisite: PSYC 101, 102, and 270 ***

PSYC 375 3:3-0
Perception
A survey of theory and research findings in the areas of sensation and perception.
***Prerequisite: PSYC 204, 270, and 305 ***

PSYC 382 3:3-0
Consciousness Studies
An in-depth examination of consciousness as it is viewed from a particular perspective in Psychology. Individual faculty will present current ideas and research on consciousness in their area of interest (e.g., Neuropsychology, Cognitive, Humanistic, Transpersonal, Non-Western, etc.). This is not a survey course.
***Prerequisite: PSYC 270, and at least one additional 200-level PSYC course, or permission of the department head ***

PSYC 383 3:3-0
Health Psychology
A general interest course in Health Psychology examining how stress and social experiences influence health across the lifespan, the psychological ramifications of chronic and terminal illnesses (e.g. heart disease, cancer, diabetes) and common interventions used by health psychologists to foster psychological and physical wellbeing.
Prerequisite: PSYC 101 and 102, or permission of the department head.
Note: Formerly numbered PSYC 388AD. Students may receive credit for only one of PSYC 388AD or PSYC 383.

PSYC 388 3:3-0
Special Topics an AA to ZZ series
Current interest topics and occasional offerings. Designed for students with minimal background in psychology.
Prerequisite: PSYC 101 or PSYC 102 or permission of the department head and completion of 60 credit hours

PSYC 400 6:3-0
Honours Thesis in Psychology - an AA-CC series.
A research thesis in psychology.
***Prerequisite: Completion of 90 credit hours including all required courses in psychology. PSYC 404 or 405 must either precede or be taken concurrently with PSYC 400. At the time of registration for the course, a student must have a GPA of at least 75% in all psychology courses and 70% in all courses that form part of the degree program. ***
** Registration is subject to the availability of thesis supervisors and must be approved by the Honours Committee. **
*Note: The required 6 credit hours must be spread equally over two consecutive terms (PSYC 400AA/AB). *

PSYC 405 3:3-1.5
Advanced Statistics in Psychology
Examination of models of analysis appropriate to psychology and related disciplines, emphasizing applications of analysis of variance, various non-parametric statistics and such topics as trend analysis and analysis of covariance.
***Prerequisite: PSYC 204 and 305, and one additional 300-level course in psychology ***

PSYC 406 3:3-0
History of Psychology
A survey of the origins of modern psychology.
***Prerequisite: Two 300-level courses in psychology ***

PSYC 407 3:3-0
Systems in Psychology
An examination of a variety of theoretical approaches and methodologies in contemporary psychology.
***Prerequisite: Two 300-level courses in psychology ***

PSYC 415 3:3-0
Selected Topics in Developmental Psychology - an AA-ZZ series.
A seminar course dealing with current topics in developmental psychology.
***Prerequisite: PSYC 210 ***

PSYC 420 3:3-0
Advanced Social Psychology
The study of psychological processes as they relate to social context and to interpersonal and group behaviour.
***Prerequisite: PSYC 320 ***

PSYC 455 3:3-0
Selected Topics in Behavioural Neuroscience - an AA-ZZ series.
An advanced seminar course dealing with current theories and research concerning neural organization and behaviour.
***Prerequisite: PSYC 355 or 356 ***

PSYC 460 3:3-0
Introduction to Clinical Psychology
An introduction to the practice and professional conduct of psychologists in various applied settings.
***Prerequisite: Two 300-level courses in psychology ***

PSYC 461 3:3-0
Tests and Measurement
An introduction to theories of measurement and models of test construction. Topics include standardization, reliability, and validation procedures.
***Prerequisite: PSYC 204 and 305 ***

PSYC 490 3:3-0
Directed Reading and Research - an AA-ZZ series.
Courses designed for individual students.
** Permission of the Instructor and the department head is required to register. **

PSYC 491 3:3-0
Directed Reading and Research - an AA-ZZ series.
Courses designed for individual students.
** Permission of the Instructor and the department head are required to register. **

PSYC 492 3:3-0
Directed Reading and Research - an AA-ZZ series.
Courses designed for individual students.
** Permission of the Instructor and the department head are required to register. **

PSYC 493 3:3-0
Directed Reading and Research - an AA-ZZ series.
Courses designed for individual students.
** Permission of the Instructor and the department head are required to register. **

PSYC 494 3:3-0
Directed Reading and Research - an AA-ZZ series.
Courses designed for individual students.
** Permission of the Instructor and the department head are required to register. **

PSYC 495 3:3-0
Directed Reading and Research - an AA-ZZ series.
Courses designed for individual students.
** Permission of the Instructor and the department head are required to register. **

PSYC 496 3:3-0
Current Topics in Psychology - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates.
*** The prerequisite will vary depending on the topic. ***

PSYC 497 3:3-0
Current Topics in Psychology - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates.
*** The prerequisite will vary depending on the topic. ***

PSYC 498 3:3-0
Current Topics in Psychology - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates.
*** The prerequisite will vary depending on the topic. ***

PSYC 499 3:3-0
Current Topics in Psychology - an AA-ZZ series.
Courses designed as required for groups of senior undergraduates.
*** The prerequisite will vary depending on the topic. ***

RDWT — Reading and Writing

RDWT 120 3:3-0
Reading and Writing I
Practice in fundamentals of critical reading and writing skills. This course prepares students to take ENGL 100.

RLST — Religious Studies

RLST 100 3:3-0
Introduction to Religious Studies
An introduction to the academic study of religion; a survey of the thought and practices of major world religions; the impact of religion on society and culture.

RLST 181 3:3-0
Classical Chinese for Religious Studies
This course provides an introduction to the Classical Chinese, used for readings of the texts of Confucianism, Taoism or Chinese Buddhism. Classical Chinese is also used for reading ancient scholarship in China dealing with the above areas.
***Prerequisite: CHIN 102 ***

RLST 184 3:3-0
Introductory Sanskrit for Religious Studies
This course is an introduction to the classical Sanskrit languages. Emphasis will be on grammar, syntax, and elementary translation practice. This course is useful for students in South Asian religion (Hinduism, Buddhism and Jainism) and culture.
*Note: Formerly numbered SANS 100. Students may not receive credit for both RLST 184 and SANS 100. *

RLST 188 3:3-0
Introductory Coptic for Religious Studies
An introduction to Sahidic Coptic for reading knowledge. This course will be useful for students wishing to do detailed work in ancient Christian Gnosticism, and in late antique Egyptian Christianity.

RLST 201 3:3-0
Ghosts, Monsters, and Demons
This class explores cross-cultural practices, representations, and beliefs concerning various kinds of monsters, ghosts, and demons. Focus will be on what these different entities have in common (as well as where they differ), with a view to sketching out shared human perspectives on the monstrous, the fearful, and the uncanny.
Note: Formerly numbered RLST 290 AS. Students may receive credit for only one of RLST 201 and RLST 290 AS.

RLST 203 3:3-0
Hinduisms
This course situates 'Hinduism' in the context of the culture of South Asia and examines texts, beliefs and ritual practices of various traditions which fall under the 'Hindu' rubric. The perspective is historical and social. This course also explores the impact of colonialism upon contemporary religious practice in India.
Prerequisites: Completion of 12 credit hours or RLST 100.
*Note: Formerly numbered RLST 220 and RLST 260. Students may not receive credit for both RLST 203 and either of RLST 220 or RLST 260. *

RLST 207 3:3-0
Buddhism
The course will provide a basic introduction to Buddhism, dealing with its origin, development, doctrines, and practices. Special emphasis will be given to developments in interpretation of the founder's teachings.
Prerequisites: Completion of 12 credit hours or RLST 100.
*Note: Formerly numbered RLST 221. Students may not receive credit for both RLST 207 and RLST 221. *

RLST 209 3:3-0
Japanese Religions
The course provides an overview of the major religious traditions of Japan from earliest times to the modern era: Shinto, Buddhism, Confucianism, Christianity and the New Religions. Topics to be explored include religion and the state, Buddhist-Shinto interaction, "this worldly" material benefits, pilgrimage and popular culture.
Prerequisites: Completion of 12 credit hours or RLST 100.

RLST 211 3:3-0
East Asian Religions
An introduction to the essentials of the East Asian religious traditions. The course will deal with basic beliefs and practices of Confucianism, Daoism, and Chinese Buddhism, with the emphasis on their influence on the formation of such East Asian cultures as those of China, Korea, and Japan.
Prerequisites: Completion of 12 credit hours or RLST 100.
*Note: Formerly numbered RLST 222. Students may not receive credit for both RLST 211 and RLST 222. *

RLST 215 3:3-0
Religions of Greece and Rome
This course will examine the various religious practices encountered in the Archaic and Classical periods of Greece, the Hellenistic period in the Mediterranean world, and the religious practices of the Roman Empire. The religions will be studied primarily in connection with the categories of myth, symbol, and ritual.
Prerequisites: Completion of 12 credit hours or RLST 100.
*Note: Formerly numbered RLST 224. Students may not receive credit for both RLST 215 and RLST 224. *

RLST 219 3:3-0
Judaism
A survey of the principles of Judaism, their historical development, and their impact on the Jewish way of life.
Prerequisites: Completion of 12 credit hours or RLST 100.
*Note: Formerly numbered RLST 223. Students may not receive credit for both RLST 219 and RLST 223. *

RLST 227 3:3-0
Jesus the Christ
This course examines the centrality of Jesus the Christ for Christian practice and belief. Topics covered include the background to early belief in Jesus, his presentation in Christian scriptures, the development of Christian claims about him, as well as past and contemporary representations of him in ritual, theology and/or art.
Prerequisites: Completion of 12 credit hours or RLST 100.
*Note: Formerly numbered RLST 200. Students may not receive credit for both RLST 227 and RLST 200. *

RLST 228 3:3-0
Christianity
An introduction to the foundations of Christianity dealing with topics such as the centrality of the story of Jesus, its roots in Judaism, its sources of authority, characteristic practices, historical and theological development, major denominational families. Some contemporary issues may also be briefly outlined.
Prerequisites: Completion of 12 credit hours or RLST 100.
*Note: Formerly numbered RLST 225. Students may not receive credit for both RLST 228 and RLST 225. *

RLST 229 3:3-0
Themes of the Christian Bible
This course will explore the main themes of what is known as the Christian Bible (Old and New Testaments). Themes such as election, covenant, people of God, mission, creation, monotheism, grace, fidelity, prophecy, sin, judgement, messiah, and exodus will be considered.
Prerequisites: Completion of 12 credit hours or RLST 100.
*Note: Formerly numbered RLST 210. Students may not receive credit for both RLST 229 and RLST 210. *

RLST 241 3:3-0
Islam
An introduction to the foundations of Islam, including the life of the prophet Muhammad, the Qur'an, beliefs and practices, and the development of fundamental Islamic ideas and institutions. Emphasis will be placed on the contemporary faith of Muslims as they deal with these primary themes.
Prerequisites: Completion of 12 credit hours or RLST 100.
*Note: Formerly numbered RLST 226. Students may not receive credit for both RLST 241 and RLST 226. *

RLST 245 3:3-0
Bible: Old Testament/Tanakh
A survey of the various books of the Hebrew Bible (Old Testament or Tanakh) from historical, literary, and theological perspectives.
Prerequisites: Completion of 12 credit hours or RLST 100.
*Note: Formerly numbered HUM 202. Students may receive credit only for one of RLST 245 and HUM 202. *

RLST 248 3:3-0
Introduction to the New Testament
This course provides a historical survey of the New Testament from a religious studies perspective. It examines New Testament writing as a whole, and lays the groundwork for more detailed study of the Pauline literature, the Gospels, the Johannine literature, and other books of the New Testament.
Prerequisites: Completion of 12 credit hours or RLST 100.
*Note: Formerly numbered HUM 203. Students may not receive credit for both RLST 248 and HUM 203. *

RLST 267 3:3-0
Religion in Canada
This course is a survey of significant religious traditions in Canada, their intellectual background, development of their faith and practice, and their interaction with the Canadian context.
Prerequisites: Completion of 12 credit hours or RLST 100.
*Note: Formerly numbered RLST 250. Students may not receive credit for both RLST 267 and RLST 250. *

RLST 268 3:3-0
Cults or New Religious Movements
This course examines beliefs and practices of some emerging new religions including New Age, Wicca, Neo-paganism, Scientology, Unification Church, UFO groups, Solar Temple, Transcendental Meditation and Soka Gakai. The emphasis will be upon the historical roots and teachings of new religions, and issues related to their popularity and interpretation.
Prerequisites: Completion of 12 credit hours or RLST 100.
*Note: Formerly numbered RLST 276. Students may not receive credit for both RLST 268 and RLST 276. *

RLST 273 3:3-0
Issues in Religion and Science
This course will examine the interface between religion and the natural and social sciences, beginning with a historical, methodological and philosophical overview. Current issues such as genetic engineering, population control, evolutionary theory, environmentalism, technology and values, and the ethics of scientific experimentation will be studied.
Prerequisites: Completion of 12 credit hours or RLST 100.

RLST 275 3:3-0
Women in World Religions
This course surveys the role and religious experiences of women in various world religions. Lecture material will cover the accumulated traditional teachings on women and the feminine in each religion, with attention to specific historical developments. Contemporary scholars and issues will be highlighted with an emphasis on feminist methodologies.
Prerequisites: Completion of 12 credit hours or RLST 100 or WGST 100.

RLST 284 3:3-0
Intermediate Sanskrit for Religious Studies
Emphasis will be on advanced grammar and translation practice in Sanskrit language. This course will engage students in reading selected excerpts from the Mahabharata, Hitopadesa and the Puranas. This course is useful for students in South Asian studies in religion, history, classics, and linguistics.
***Prerequisite: RLST 184, or permission of department head ***
*Note: Formerly numbered SANS 101. Students may not receive credit for both RLST 284 and SANS 101. *

RLST 288 3:3-0
Intermediate Coptic for Religious Studies
An intensive continuation in the instruction of the Sahidic dialect of the ancient Coptic language, with special emphasis on the reading of actual ancient Coptic texts. Special emphasis will be placed on the Coptic Gnostic literature and on Egyptian Patristic apophthegmata.
***Prerequisite: RLST 188 or permission of department head ***

RLST 290 3:3-0
Selected Topics - an AA-ZZ series.
Courses designed as required for groups of undergraduates.
Prerequisites: Completion of 12 credit hours or RLST 100.

RLST 300 3:3-0
Theory and Methodology for the Study of Religion
This course will focus on fundamental theoretical and methodological issues pertaining to the academic study of religion. It includes an examination of selected theories of the origin, character, and function of religion as a human phenomenon. Students will be encouraged to apply class material to their particular areas of specialization.
Prerequisites: Completion of 24 credit hours or a 200 level RLST course.

RLST 303 3:3-0
Deities: India
This course focuses on the role of gods, goddesses and other creatures in South Asian religion. Emphasis will be on the interrelationship of notions of the divine, colonialism, post-colonialism and the gender dimensions of religious practice. Theories of myth and ritual as they apply to religious tenets will be explored.
Prerequisites: Completion of 24 credit hours or a 200 level RLST course.
*Note: Formerly numbered RLST 330. Students may not receive credit for both RLST 303 and RLST 330. *

RLST 311 3:3-0
Confucianism in East Asia
This course is an introduction to the basic ideas of Confucianism including its background and development; its concepts of the world, ethical values of its philosophy and its religious beliefs and practices. The impact of Confucianism on the East Asian societies in ancient and modern times is also covered.
Prerequisites: Completion of 24 credit hours or a 200 level RLST course.

RLST 313 3:3-0
Daoism and the Contemporary World
An introduction to the basic teachings of Daoism, with special emphasis on the philosophical and religious thought of Lao Tzu and Chuang Tzu. The course will also examine the meaning of Daoism for today's world.
Prerequisites: Completion of 24 credit hours or a 200 level RLST course.

RLST 322 3:3-0
Origins of Modern Antisemitism and the Holocaust
The religious and cultural roots of antisemitism and its manifestations in Western civilization: the rise of racist and political antisemitism in Europe; seminal issues in the history of the Holocaust; an analysis of the various political and cultural responses to the events of this period.
Prerequisites: Completion of 24 credit hours or a 200 level RLST course.
*Note: Formerly numbered RLST 269. Students may not receive credit for both RLST 322 and RLST 269. *

RLST 334 3:3-0
Catholicism
This course examines Catholicism as a collection of churches and as a tradition within Christianity. Topics covered include: origins, history and current transformations of Catholicism; characteristic emphases on sacramentality, mediation and community and how these shape the Catholic world view, its institutions, practices, beliefs, attitudes toward other groups, contemporary challenges.
Prerequisites: Completion of 24 credit hours or a 200 level RLST course.

RLST 341 3:3-0
Islam in the Modern World
This course explores the Muslim encounter with the modern age. It examines the traditional religious stance of the Islamic community, and the significant movements and influences that have affected it. It studies specific problems faced and decisions taken, and analyzes adaptations and tensions in Islamic faith and life resulting from the encounter.
Prerequisites: Completion of 24 credit hours or a 200 level RLST course.
*Note: Formerly numbered RLST 266. Students may not receive credit for both RLST 341 and RLST 266. *

RLST 348 3:3-0
The Synoptic Gospels
The course will focus on a study of the New Testament gospels and their sources, particularly the so-called "synoptic tradition"- the Gospels of Matthew, Mark, and Luke as well as their sources, both written and oral.
Prerequisites: Completion of 24 credit hours or a 200 level RLST course.

RLST 351 3:3-0
The Life and Letters of Paul
This course will focus on a study of the New Testament writings by and about Paul, including the "undisputed" Pauline letters (Romans, 1 and 2 Corinthians, Galatians, Philippians, 1 Thessalonians, and Philemon), the letters whose authorship is more questionable, and the narratives about Paul in Acts of the Apostles.
Prerequisites: Completion of 24 credit hours or a 200 level RLST course.
*Note: Formerly numbered HUM 205. Students may not receive credit for both RLST 351 and HUM 205. *

RLST 352 3:3-0
The Birth of the Church
The main emphasis will be on a study of the later New Testament writings: those which show the first signs of the church defining itself as an institution. These writings include especially Luke-Acts, the later pseudo-Pauline letters (1 and 2 Timothy, Titus), the so-called "general epistles," and the Apocalypse (Revelation).
Prerequisites: Completion of 24 credit hours or a 200 level RLST course.

RLST 363 3:3-0
Storytelling in Asian Religions
This course will provide a survey of the stories told by Buddhists, Hindus, Confucianists, Daoists and the followers of Shinto in Japan. The aim of this course is to develop a deeper understanding of the religion and cultures of Asia and to explore the beliefs in popular religion.
Prerequisites: Completion of 24 credit hours or a 200 level RLST course.
Note: Formerly numbered RLST 390AT. Students may receive credit for only one of RLST 390AT or RLST 363.

RLST 372 3:3-0
Myth, Symbol and Ritual
This course is an introduction to the critical study of the categories of myth, symbol and ritual. To do this we will examine different theoretical approaches and engage myth, symbol and ritual as they emerge in a variety of cultural locations.
Prerequisites: Completion of 24 credit hours or a 200 level RLST course.
*Note: Formerly numbered RLST 274. Students may not receive credit for both RLST 372 and RLST 274. *

RLST 373 3:3-0
Gender: Theories and practices
This course begins by examining gender/sex theories (feminist, masculinity and queer studies) arising from a variety of academic locations. Thereafter, we analyze gender/sex ideologies shaped by and in religio-cultural practices across a spectrum of historical locations (e.g., ancient Greece, early modern Europe, West Africa, and the Middle East).
Prerequisites: RLST 100 or WGST 100.
Note: Cross-listed with WGST 372. Students may receive credit for only one of WGST 372 or RLST 373.

RLST 390 3:3-0
Selected Topics - an AA-ZZ series.
Courses designed as required for undergraduate students.
Prerequisites: Completion of 24 credit hours or a 200 level RLST course.

RLST 480 3:3-0
Selected Topics - an AA-ZZ series.
Courses designed as required for groups of honours or qualifying-year students.

RLST 490 3:3-0
Selected Topics - an AA-ZZ series.
Courses designed for individual honours or qualifying-year students.
***Prerequisite: Completion of 60 credit hours. RLST 100 is recommended. ***

RLST 498 3:3-0
Honours Seminar
Honours seminar.
** Permission of the department head is required to register. **

RLST 499 3:3-0
Honours Essay
Honours essay.
** Permission of the department head is required to register. **

SAUL — Saulteaux (Ojibway)

SAUL 100 3:3-0
Elementary Saulteaux I
Introduction to Saulteaux: basic oral expression, grammar, and practice with electronic learning materials. No prior knowledge of Saulteaux is assumed.
*NOTE: Students with standing in SAUL 100 will not receive credit for SAUL 104. *

SAUL 101 3:3-0
Elementary Saulteaux II
A continuation of SAUL 100. Further grammar and oral practice of Saulteaux. This course completes preparation for SAUL 202
***Prerequisite: SAUL 100 ***

SAUL 104 3:3-0
Saulteaux Grammar and Orthography I
This course is designed for students who seek grammatical and literary knowledge of Saulteaux. Emphasis is on writing in the standard Roman orthography and on grammatical structures.
*Note: Students with standing in SAUL 100 will not receive credit for SAUL 104. *

SAUL 105 3:3-0
Saulteaux Grammar and Orthography II
A continuation of SAUL 104. Further writing practice, grammar and an introduction to short compositions.
***Prerequisite: SAUL 104 ***
*Note: Students with standing in SAUL 101 will not receive credit for SAUL 105. *

SAUL 150 6:9-3
Saulteaux Immersion I
This course will focus on listening and speaking skills by integrating linguistic functions with cultural knowledge. Students will acquire the level of competence needed to be functional within a relatively narrow range of familiar topic areas.
*Note: Students may receive credit for either SAUL 150 or SAUL 100 and/or SAUL 101. *

SAUL 202 3:3-0
Saulteaux Literature and Grammar
This course is a continuation and integration of the Saulteaux oracy and literacy skills introduced at the 100-level. Intermediate grammatical structures are introduced through oral practice and the study of oral and written literature.
***Prerequisite: SAUL 101 or SAUL 105 ***

SAUL 203 3:3-0
Intermediate Saulteaux II
A continuation of SAUL 202. Further oral and written practice in Saulteaux. This course completes preparation for all senior Saulteaux courses.
***Prerequisite: SAUL 202 ***

SAUL 206 3:3-0
Saulteaux Linguistics
Linguistic concepts for the scientific analysis of Saulteaux, with comparison to the closely related Algonquian language Cree. Application to language teaching.
***Prerequisite: SAUL 101 or SAUL 105 or permission of the department head ***

SAUL 225 3:3-0
Saulteaux Transcription
This course will reinforce the standard roman orthography for Saulteaux and present ample opportunity to increase one's ability at transcribing spoken Saulteaux from both oral and audio-taped sources.
***Prerequisite: SAUL 203 ***

SAUL 230 3:0-0
Saulteaux Syllabics
Introduction to the Saulteaux syllabics writing system. Reading and writing in syllabics.
***Prerequisite: SAUL 101 ***

SAUL 250 6:9-3
Saulteaux Immersion II
This course will bring participants to an intermediate level of proficiency. It will be complemented by examination and useage of grammatical structures, cultural elements, and the study of oral and written literature.
Prerequisites: SAUL 150 or SAUL 100 and SAUL 101. *Note: This course can be counted as an elective but cannot be used toward the main requirements of degree programs. * *Note: This course will also be available as a non-credit option for those outside the university community. *

SAUL 305 3:3-0
Expository Writing in Saulteaux
Study and analysis of non-fiction literature in Saulteaux, such as biography, history, politics, news stories, narratives, and technical writing; practice in writing and revision.
***Prerequisite: SAUL 203 ***

SAUL 325 3:3-0
Translation I: Saulteaux-English
A comparison of Saulteaux and English stylistics with practical exercises in written translation, primarily from Saulteaux to English.
***Prerequisite: SAUL 225 ***

SAUL 340 3:3-0
Oral Tradition of Saulteaux
Stories and legends on audio and video cassettes will be analyzed and transcribed by students. Storytelling sessions with students and elders. Visiting lectures will also be included in the course.
***Prerequisite: SAUL 203 ***

SAUL 390 3:3-0
Selected Topics in Saulteaux (Ojibwe)
Courses designed as required for senior undergraduates.
Prerequisite: One 300-level Cree course or permission of the head of the Department of Indigenous Languages, Arts and Cultures.

SAUL 405 3:3-0
Creative Writing in Saulteaux
Students will continue to practice writing techniques, compose original material in Saulteaux, and critique published materials as well as each other's work.
***Prerequisite: SAUL 305 ***

SAUL 425 3:3-0
Translation II: English-Saulteaux
A comparison of Saulteaux and English stylistics with practical exercises in written translation, primarily from Saulteaux to English.
***Prerequisite: SAUL 325 ***

SAUL 490 1-3:3-0
Directed Research in Saulteaux - an AA-ZZ series.
Courses designed as required by senior undergraduates.
***Prerequisite: Three 300-level Saulteaux courses ***
** Permission of the department head is required to register. **

SOC Sociology

SOC 100 3:3-1
Introduction to Sociology
This course introduces students to basic sociological concepts, debates, and modes of analysis. Through discussion of issues such as the cultural development of humans, the socialization process and the structures of global society, students will be introduced to the distinctive approach of sociology.

SOC 201 3:3-0
Globalization and Development
This course introduces students to sociological analyses and theories on the rise of global society. Specific topics may include issues such as the development of capitalist industrial societies, local and global inequalities, and the ways in which economic, technological, and political changes shape the world we live in.
***Prerequisite: Completion of 12 credit hours or or SOC 100 or permission of department head.
*Note: SOC 100 is required for all majors in Sociology *

SOC 202 3:3-0
Cities in the 21st Century
This course examines contemporary urban life and the challenges facing cities in the 21st century using a variety of sociological frameworks. Topics covered in the course may include cities and the environment, urban culture and urban renewal, civil society and community engagement, and global cities.
Prerequisite: Completion of 12 credit hours or SOC 100 or permission of department head.
*Note: SOC 100 is required for all majors in Sociology *

SOC 203 3:3-0
Canadian Society
This course introduces students to issues of particular relevance to Canadian society. The course considers the historical origins and contemporary expressions of different topics, which may include such things as industrialization and de-industrialization, cultural industries, Canada's position within a global economy, and environmental issues.
***Prerequisite: Completion of 12 credit hours or or SOC 100 or permission of department head.
*Note: SOC 100 is required for all majors in Sociology *

SOC 205 3:3-0
Contemporary Social Issues - an AA-ZZ series.
This course introduces students to variable topics in current research areas within the Department of Sociology and Social Studies. Students should check with the Department to determine prerequisites and place within the major of any particular section of SOC 205.
***Prerequisite: Completion of 12 credit hours or or SOC 100 or permission of department head.
*Note: SOC 100 is required for all majors in Sociology *
*Note: Formerly numbered SOC 204 for some topics. *

SOC 207 3:3-0
The "Nature/Nurture" Controversy
This course introduces students to social science debates over the origins and meanings of human nature and human behaviour, with specific emphasis on the nature/nurture controversy. The course focuses on 21st-century aspects of these debates, including socio-biology and evolutionary psychology in the context of their historical roots.
***Prerequisite: Completion of 12 credit hours or or SOC 100 or permission of department head.
*Note: SOC 100 is required for all majors in Sociology *

SOC 208 3:3-0
Inequality and Social Justice
This course introduces students to sociological perspectives on issues of inequality and social justice. It analyzes the origins and consequences of social inequalities and the mechanisms by which they are perpetuated and challenged.
***Prerequisite: Completion of 12 credit hours or or SOC 100 or permission of department head.
*Note: SOC 100 is required for all majors in Sociology *
*Note: Formerly numbered SOC 206. Students may not receive for both SOC 208 and SOC 206. *

SOC 209 3:3-0
Religion and Society
This course introduces students to sociological analyses and theoretical perspectives on the place of religion in modern society. The course focuses on issues such as secularization, fundamentalism, sects and cults, and Third World religious movements.
***Prerequisite: Completion of 12 credit hours or or SOC 100 or permission of department head.
*Note: SOC 100 is required for all majors in Sociology *

SOC 210 3:3-0
Social Structure and Personality
The course introduces students to sociological perspectives on the human personality and the sociological conditions within which personalities develop. The course covers classical theories as well as current debates and issues.
Prerequisite: Completion of 12 credit hours or SOC 100 or permission of department head.
Note: SOC 100 is required for all majors in Sociology.

SOC 211 3:3-0
Ethnic and Cultural Diversity in Canada
This course introduces students to sociological analyses and theories of ethnic and cultural diversity, with an emphasis on contemporary Canada. Specific topics might include Aboriginal cultures in Canadian society, issues arising from conflicts between concepts of human rights and specific cultural practices, overt and systemic racism, and controversies about immigration.
***Prerequisite: Completion of 12 credit hours or or SOC 100 or permission of department head.
*Note: SOC 100 is required for all majors in Sociology *

SOC 212 3:3-0
Gender and Sexuality
This course introduces students to sociological perspectives on gender and sexuality in contemporary society. Key topics include: gender and sexual identity, gender inequality, and changing definitions of masculinity and femininity. Students will be introduced to various theoretical perspectives on gender and sexuality, including feminist theories, LGBT studies, and queer theory.
Prerequisite: Completion of 12 credit hours or SOC 100 or permission of department head.
Note: SOC 100 is required for all majors in Sociology

SOC 213 3:3-0
Families
This course introduces students to sociological perspectives on the family, with emphasis on issues of particular importance in contemporary Canadian society. Specific topics might include the impact of social change on family relationships, changing definitions of the family, children's rights, concepts of fatherhood and motherhood, and same-sex marriage.
***Prerequisite: Completion of 12 credit hours or permission of department head ***
**Note: SOC 100 is a required course for all Sociology majors **

SOC 214 3:3-0
Sociology of Indigenous People in Canada
This course introduces students to the experience of Indigenous peoples in Canada from a sociological perspective. Employing historical and contemporary examples, students are introduced to policies and legislation shaping relationships between Indigenous peoples and other Canadians. Specific topics might include the neglect of Indigenous issues in Canadian sociological studies, applying social theory to the study of Indigenous issues, identity, Aboriginal and treaty rights, self-government, assimilation, land claims, health, education and justice.
***Prerequisite: Completion of 12 credit hours or SOC 100 or permission of the department head. ***
*Note: SOC 100 is required for all majors in Sociology.

SOC 215 3:3-0
Sociology of Crime and Criminal Justice
This course introduces students to sociological perspectives on the study of crime and justice. The course examines sociological concepts of deviance, punishment, and social control.
Prerequisite: Completion of 12 credit hours or SOC 100 or permission of department head.
*Note: SOC 100 is required for all majors in Sociology. *

SOC 217 3:3-0
Rural Societies
This course introduces students to classic and contemporary sociological perspectives on rural life. Topics include issues such as the impact of the global economy on rural societies, rural to urban migration, and social cohesion and social conflict within rural communities.
Completion of 12 credit hours or SOC 100 or permission of department head. *Note: SOC 100 is required for all majors in Sociology.*

SOC 218 3:3-0
Sociology of Hockey in Canada
An examination of hockey in Canada, exploring the relationships between hockey and social inequality, the economy, violence and Canadian nationalism. Central to Canadian popular culture, hockey extends far beyond the rinks and streets on which it is played into the social, cultural, economic, and political realms of Canadian society.
***Prequisite: Completion of SOC 100 or 12 credit hours or permission of the department head. ***
Note: SOC 100 is required for all majors in Sociology.

SOC 222 3:3-0
Sociology of Health
This course introduces students to sociological perspectives on health and illness. The course will examine the history of health care, including the Canadian Health Care System. Current debates over the future of Medicare will be examined, including the relative roles to be played by public and private systems.
Completion of 12 credit hours or SOC 100 or permission of department head. *Note: SOC 100 is required for all majors in Sociology.*

SOC 225 3:3-0
Internet and Society
This course introduces students to sociological perspectives on the internet in contemporary society, with particular emphasis on the role the internet plays in the daily lives of Canadians. Specific topics might include social media, online shopping, online dating, issues of privacy and access to information.
Prerequisite: Completion of 12 credit hours or SOC 100 or permission of department head.
Note: SOC 100 is required for all majors in Sociology.

SOC 230 3:3-0
Environment and Society
This course introduces students to sociological perspectives on the relationship between society and the natural environment. The course examines the environmental impact of the actions of individuals, businesses and governments. Specific topics might include climate change, environmental degradation, sustainability and environmental movements and conflicts.
Prerequisites: Completion of 12 credit hours or SOC 100 or permission of department head.
Note: SOC 100 is required for all majors in Sociology.

SOC 247 3:3-0
Language Wars: Topics in Language and Conflict, with emphasis on the Canadian context
An in-depth study of official bilingualism in Canada. French as a social and political agent in Canadian nation building. The Office quebecois de la langue francais (OQLF) and French for general and specialized domains. Politics of official bilingualism, identity and integration. Other symbolic roles of language in Canadian society.
Completion of 12 credit hours or SOC 100 or permission of department head. *Note: SOC 100 is required for all majors in Sociology.*
*Note: Cross-listed with FRN 247. Students may not receive credit for both SOC 247 and FRN 247. Sociology majors should take SOC 100 before taking FRN 247. *

SOC 285 3:3-0
Theories of Society
This course introduces students to the main theoretical paradigms in Sociology. The course focuses on the central issues and debates which have emerged in Sociological Theory, examining the theorists and theoretical concepts shaping the evolution of Sociology.
Completion of 12 credit hours or SOC 100 or permission of department head. *Note: SOC 100 is required for all majors in Sociology. Students may receive credit for only one of SOC 285 or SOC 290.*

SOC 288 3:0-0
Sociology of Addiction
This course explores the concept of addictive behaviour using different models and theories relevant to understanding addiction within Canadian society from a sociological perspective.
Prerequisite: Completion of 12 credit hours or SOC 100 or permission of the department head.

SOC 295 3:3-0
Social Change and Social Movements
This course introduces students to sociological perspectives on social change and social movements. The course examines both gradual historical change and the swifter changes brought about by social movements, including revolutions. The course will first examine global social change, and then focus on Canada.
Prerequisites: Completion of 12 credit hours or SOC 100 or permission of department head.
Note: SOC 100 is required for all majors in Sociology.

SOC 297 3:3-0
Sociology of Law
A theoretical and practical analysis of sociological issues and contexts influencing the development, functioning, and effects of law in society. Some specific issues to be analyzed may include law and Aboriginal peoples, welfare fraud, terrorism, immigration, corporate crime, violence against women, homophobia, and the right to strike.
Prerequisite: Completion of 12 credit hours or SOC 100 or permission of the department head.
Note: SOC 100 is a required course for all Sociology majors.

SOC 298 3:3-0
The Sociology of the Arts and Popular Culture
A critical examination of selected themes in the sociology of the arts and popular culture in the West.
***Prerequisite: Completion of 12 credit hours or permission of the department head.
*Note: SOC 100 is a required course for all Sociology majors. *

SOC 299 3:3-0
Sociology of Mental Illness
An examination of the social patterns of risk for mental illness. A comparative and critical assessment of the sociological, psychological and biological models of explanation and intervention.
***Prerequisite: Completion of 12 credit hours or permission of department head.
Note: SOC 100 is a required course for all Sociology majors.

SOC 300 3:3-0
Issues in Social Policy
This course examines the nature and development of social policies in Canada. It engages with debates about the meaning of social well-being, and how best to promote it locally, nationally, and/or internationally.
***Prerequisite: One 200-level SOC course and completion of 30 credit hours or permission of the department head. ***

SOC 301 3:3-0
Origins of Modern Society
This course analyzes the social, political, and economic forces that gave rise to contemporary social conditions. The course includes an overview of different sociological explanations of social development and change.
***Prerequisite: One 200-level SOC course and completion of 30 credit hours or permission of the department head. ***

SOC 307 3:3-0
Sociology of Knowledge
This course introduces students to a detailed analysis of sociological perspectives on the social roots of knowledge and cultural life. It has a particular focus on the ideological main streams of thought in contemporary industrial society.
***Prerequisite: One 200-level SOC course and completion of 30 credit hours or permission of the department head. ***

SOC 308 3:3-0
Power and Social Justice
This course examines sociological perspectives on the impact of social power on social justice. It utilizes both historical and theoretical materials to analyze the effect on inequalities of power and wealth on justice and injustice in society.
***Prerequisite: One 200-level SOC course and completion of 30 credit hours or permission of the department head. ***

SOC 310 3:3-0
Sociology of Work
This course provides an overview of sociological perspectives on work in a globalized world. Specific topics that might be examined in this course include paid and unpaid work, alienation and resistance, and the ways in which class, gender, and race shape experiences and practices of work.
***Prerequisite: One 200-level SOC course and completion of 30 credit hours or permission of the department head. ***

SOC 312 3:3-0
Studies in Feminism
This course analyzes feminist thought as both political practice and as academic discourse. The course examines different perspectives in feminist thought as they relate to other social theories and as they relate to political and social action.
***Prerequisite: One 200-level SOC course and completion of 30 credit hours or permission of the department head. ***

SOC 314 3:3-0
Sociology of Development
This course introduces students to sociological theories of international economic, social and political development. It examines the global division between the West and the rest, and looks at the problems which poor countries face as they attempt to develop, including the role of Western corporations and organizations such as the International Monetary Fund.
***Prerequisite: One 200-level SOC course and completion of 30 credit hours or permission of the department head. ***

SOC 315 3:3-0
Advanced Studies in Crime and Justice
This course examines advanced sociological perspectives on crime and criminal justice, and explores current controversies in Canadian crime and justice.
Prerequisite: One 200-level SOC course and completion of 30 credit hours or permission of the department head.

SOC 320 3:3-0
Myth, Meaning and Modernity
This class will explore myth as the "deep narratives" that form the basis of human groups, including the changes that modernization brings to systems of meaning and the social consequences of those changes.
***Prerequisite: One 200-level SOC course and completion of 30 credit hours or permission of the department head. ***

SOC 322 3:3-0
The Social Determinants of Health
This class will review the evidence and theoretical concepts used in assessing the social determinants of health. The social determinants of health include a range of factors such as income, education, employment, social cohesion, and early childhood development.
***Prerequisite: One 200-level SOC course and 30 credit hours or permission of the department head. ***

SOC 325 3:3-0
Science and Technology
This course examines the interrelationship between science and technology on the one hand, and social norms and values on the other. Specific topics that might be covered include women and science, the environment, and the social impact of technology.
***Prerequisite: One 200-level SOC course and completion of 30 credit hours or permission of the department head. ***

SOC 328 3:3-0
Women and Social Policy
An examination of the past, present and future of social policy from the perspective of women, primarily in Canada. A critical assessment of existing perspectives and practices in the formation of social policy and the implications for various groups of women and society in general.
***Prerequisite: One 200-level SOC course and completion of 30 credit hours or permission of the department head. ***

SOC 330 3:3-0
Sociology of the Environment
This course examines social theories, social concepts, and methodological issues related to the understanding of the environment in classical and modern sociological theory. Specific topics might include the social construction of nature, gender, class, race and the environment, sustainability, and the challenges of interdisciplinarity.
***Prerequisite: One 200-level SOC course and completion of 30 credit hours or permission of the department head. ***
*Note: Formerly numbered SOC 430. Students may not receive credit for both SOC 330 and SOC 430. *

SOC 333 3:3-0
Sociology of Disaster
Sociological explanations of the different ways societies define and manage exposures to risk. Disasters, as distinct from hazards, are consequences of social conditions and social institutions generating vulnerability to risk.
***Prerequisite: One 200-level SOC course and completion of 30 credit hours or permission of the department head. ***

SOC 355 3:3-0
The Global Food System
A sociological lens on processes of food production, distribution, and consumption on a global scale. The course traces the historical development of the global food system and examines contemporary conflicts driving social change.
***Prerequisite: One 200-level SOC course and completion of 30 credit hours or permission of the department head. ***

SOC 400 0-1.5:3-0
Honours Seminar
A weekly seminar devoted to the discussion of special issues in sociology, the reports of research projects, and to the presentation of papers by both students and faculty.
** Permission of the department head is required to register. **

SOC 401 0-1.5:3-0
Honours Seminar
A weekly seminar devoted to the discussion of special issues in sociology, to reports of research projects, and to the presentation of papers by both students and faculty.
** Permission of the department head is required to register. **

SOC 404 3:3-0
Honours Research
A senior undergraduate research methods seminar with special focus on controversies in social science methodology.
** Permission of the department head is required to register. **

SOC 418 3:3-0
Classical Social Theories
This course provides an overview of the emergence and development of sociological theories in the 19th and early 20th centuries.
***Prerequisite: SOC 285 or 295 and one 300-level SOC course or permission of the department head. ***
*Note: Formerly numbered SOC 318. Students may receive credit for only one of SOC 318 or 418. *

SOC 419 3:3-0
Contemporary Social Theories
The course provides an overview of the development of sociological theories through the 20th century into the 21st century.
***Prerequisite: SOC 285 or 295 and one 300-level SOC course or permission of the department head. ***
*Note: Formerly numbered SOC 319. Students may receive credit for only one of SOC 319 or 419. *

SOC 450 3:3-3
Theoretical Perspectives on Social Justice
This senior seminar analyzes and reflects upon the major theoretical issues in social justice.
***Prerequisite: One 300-level course from the Sociology Justice area and completion of 45 credit hours, or permission of department head ***

SOC 460 3:3-0
Theoretical Perspectives on Development and the Environment
This senior seminar analyzes and reflects upon the major theoretical issues in development and the environment.
***Prerequisite: One 300-level course from the Development and the Environment area and completion of 45 credit hours, or permission of department head ***

SOC 480 3:3-0
Issues in Social Theory
This senior seminar analyzes and reflects upon the major issues in the development of social theory.
***Prerequisite: One 300-level course from the Development of Theory Foundation and 45 credit hours, or permission of department head ***

SOC 485 3:3-0
Sociological Imaginations
This senior seminar is the capstone class for sociology majors and is to be taken in the final year of the program. Students reflect upon and analyze the major theoretical issues in sociology.
***Prerequisite: A declared major in Sociology and completion of 75 credit hours or permission of the department head ***

SOC 490 1-3:3-0
Directed Readings - an AA-ZZ series.
Courses designed for individual students.
** Permission of the department head is required to register. **

SOC 499 3:3-0
Honours Paper
Candidates for the Honours degree work with a committee to prepare an honours paper in accordance with the department's guidelines.
***Prerequisite: SOC 404. ***
** Permission of the department head is required to register. **

SOST — Social Studies

SOST 110 3:3-0
Introduction to Mass Media
This course introduces students to analyses of the mass media of communication in modern societies.

SOST 201 3:3-1
Statistics and Software for the Social Sciences
This course introduces students to the basic methods of statistics with applications in the social sciences and the use of computer software for data management, manipulation and (univariate and bivariate) statistical analysis.
Prerequisite: Completion of 12 credit hours or SOC 100 or permission of the department head
Note: It is recommended that sociology majors take SOST 201 and 203 concurrently in the fall term.

SOST 203 3:3-0
Introduction to Social Research Methods
An introduction to the social research process and the ethical dilemmas faced by social scientists. A survey of the essential procedures for investigating social research problems, including writing literature reviews, stating testable hypotheses, specifying conceptual and operational definitions for relevant concepts, sampling, and selecting appropriate methods for data collection.
***Prerequisite: 12 credit hours or permission of the department head ***
Note: It is recommended that sociology majors take SOST 201 and 203 in the fall term.

SOST 220 3:3-0
The Status of Women in Contemporary Society
This course analyses the status of women in global society as well as in local societies and cultures. Specific issues might include: women's participation in political life, the impacts of development and economic change on women's lives, and issues of women's health.
***Prerequisite: Any 100-level course in the social sciences or permission of department head. ***

SOST 306 3:3-1
Applied Methods: Quantitative Approaches
In this course, students will produce and analyze quantitative data, using a survey and other methods. Students will be introduced to computer programs and use these to assist in writing reports and papers that analyze the data. This class is intended for sociology majors.
Prerequisite: SOST 201 and SOST 203, or permission of department head. *Note: This class is intended for sociology majors. *

SOST 307 3:3-1
Applied Methods: Qualitative Approaches
This course is a practical exploration of the principles and methods of qualitative analysis, including interviews, focus groups, participant observation, content analysis, and discourse and media analysis. Students will design and conduct a research project.
***Prerequisite: One 200- or 300-level SOC course and SOST 203, or permission of department head. ***

SPAN — Spanish

SPAN 111 3:3-1
Introductory Spanish I
Focuses on the acquisition of basic skills of pronunciation, reading, writing, and conversation, for students with little or no Spanish experience. Includes instruction in basic grammar, syntax, and vocabulary for culturally appropriate interaction.
***Prerequisite: No previous background in Spanish. Refer to the Department of International Languages Section of the Undergraduate Calendar (How to Choose a Language) for details. ***
*Note: Students may not receive credit for both SPAN 111 and SPAN 110. *
Note: Formerly numbered SPAN 100. Students may receive credit for only one of SPAN 100 or 111.

SPAN 112 3:3-1
Introductory Spanish II
A continuation of the skill development started in SPAN 111. Emphasis on a variety of verb tenses and moods, as well as expansion of basic vocabulary.
Prerequisite: SPAN 111 or Grade 12 Spanish, or permission of Department
Note: Students may receive credit for only one of SPAN 112 and SPAN 113 or SPAN 110
Note: Formerly numbered SPAN 101. Students may receive credit for only one of SPAN 101 or 112

SPAN 113 3:3-1
Introductory Spanish: Accelerated
Accelerated coverage of introductory Spanish for students with some Spanish knowledge, but insufficient mastery to enter SPAN 211, eg. high school classes, family background (without reading or writing experience), or poor results in/a long gap after, SPAN 111 and 112.
Prerequisite: Placement test and permission of the Department
Note: Students may earn credit for only one of SPAN 112 or 113, or 110
Formerly numbered SPAN 290AD. Students may receive credit for only one of SPAN 290AD or SPAN 113

SPAN 211 3:3-1
Intermediate Spanish I
Further development of oral and written skills through the intensive review and expansion of basic grammatical concepts and the expansion of vocabulary and culturally appropriate communication through oral activities, readings and compositions.
Prerequisite: SPAN 112, 113, or 110 or permission of the Department
Note: Formerly numbered SPAN 200. Students may receive credit for only one of SPAN 200 or 211

SPAN 212 3:3-1
Intermediate Spanish II
A continuation of Spanish 211.
Prerequisite: SPAN 211 or permission of the Department
Note: Formerly numbered SPAN 201. Students may receive credit for only one of SPAN 201 or 212

SPAN 214 3:3-0
Spanish Skills Development Through Reading, Writing and Conversation
Complementary to the grammar-focused courses, the main goal of this course is to increase vocabulary and understanding of grammar concepts through reading, discussion and written exercises based on a variety of short stories and articles at the intermediate level. Development of both written and oral comprehension and expression.
Prerequisite: SPAN 211 (can also be taken concurrently) or permission of the Department
Note: Formerly numbered SPAN 290AC. Students may receive credit for only one of SPAN 290AC or SPAN 214
Note: Students who have completed, or are, concurrently, registered in SPAN 311 or who have been assessed as having a level of Spanish ability well above that expected in SPAN 214 should see the Spanish Coordinator for permission to register in SPAN 314

SPAN 215 3:3-0
Introduction to Hispanic Culture
Expands on the cultural knowledge acquired in the Spanish language courses. An introduction to the Spanish-speaking regions of the world, and the study of some traditional distinctive features of Hispanic societies.
***Prerequisite: SPAN 211, or permission of the department ***

SPAN 290 3:3-0
Selected Topics in Hispanic Studies - an AA-ZZ series.
Study of a selected topic or topics in Hispanic literature or culture.
***Prerequisite: Depends on specific offering. SPAN 112 minimum. Consult department head and Spanish Coordinator for more information. ***
** Permission of the Department may be required to register in some offerings. **

SPAN 311 3:3-1
Advanced Spanish I
Continued development of oral and written communication. Emphasis is on the study of problematic points of grammar and idiomatic usages, as well as vocabulary expansion, through readings, compositions, presentations and class discussions.
Prerequisite: SPAN 212, 214 and 215 or permission of the department
Note: Formerly numbered SPAN 300. Students may receive credit for only one of SPAN 300 or 311

SPAN 312 3:3-1
Advanced Spanish II
A continuation of Spanish 311.
Prerequisite: SPAN 311 or permission of the department.
Note: Formerly numbered SPAN 301. Students may receive credit for only one of SPAN 301 or 312.

SPAN 314 3:3-1
Spanish Skills Development Through Reading, Writing and Conversation: Advanced
Complementary to the grammar-focused courses, the goal of this course is to increase vocabulary, grammar mastery, and Spanish expression through reading, writing and discussion, based on a variety of readings. Directed to students with a high-intermediate level of Spanish comprehension and expression. Assignments tailored to individual students' needs.
Prerequisite: SPAN 311, taken prior or concurrently, or permission of the Department, based on language assessment
Note: Students may receive credit for only one of SPAN 314, 214, 290AC or 390AD

SPAN 320 3:3-0
Spanish American Civilization
This course examines the historical bases and cultural movements that formed the identity of Spanish Americans. Students are invited to amplify their language and analytical skills through an interdisciplinary study of the civilizations of Spanish Americans and the role they play in the community of nations.
***Prerequisites: SPAN 212, 214, and 215, or permission of Department ***
*Note: Formerly numbered SPAN 315. Students may not receive credit for both SPAN 320 and SPAN 315. *

SPAN 390 3:3-0
Tutorials and Directed Readings in Spanish - an AA-ZZ series.
These courses are designed to increase students' skills in reading, writing, comprehension and communication.
Permission of the Department may be required to register in some offerings
Prerequisite: Depends on specific offering. SPAN 212 minimum. Consult department head and Spanish Coordinator for more information

SPAN 411 3:3-0
Selected Topics in Spanish Language
Emphasis on study of advanced points of grammar, stylistics and idiomatic usage through reading, writing, translation and discussion.
Prerequisite: SPAN 312 or permission of the department.
Note: Formerly numbered SPAN 400. Students may receive credit for only one of SPAN 400 or 411.

SPAN 415 3:3-0
Hispanic Culture III
Study of current issues in Hispanic culture, including cultural and political trends, and topics of controversy, such as economic development, gender and ethnic relations, the influence of globalization, etc.
Prerequisite: SPAN 312 and 320 or permission of the department

SPAN 420 3:3-0
Spanish American Literature
A study of the main literary trends and authors of Spanish America from the pre-Columbian period to the present through an exploration of their social, historical, ideological and aesthetical contexts. It is designed to encourage students' critical reading and further develop their language skills.
***Prerequisite: SPAN 311, or permission of Department ***
*Note: Formerly numbered SPAN 416. Students may not receive credit for both SPAN 420 and SPAN 416. *

SPAN 421 3:3-0
Spanish Literature
A study of the main literary trends and authors of Spain through an exploration of their social, historical, ideological and aesthetic contexts. It is designed to encourage students' critical reading and further develop their language skills.
***Prerequisite: SPAN 311, or permission of Department ***

SPAN 490 3:3-0
Advanced Tutorials and Directed Readings in Spanish - an AA-ZZ series.
** Permission of the Department may be required to register in some offerings. **
***Prerequisite: Depends on specific offering. SPAN 312 minimum. Consult department head and Spanish Coordinator for more information. ***

SRS Sport and Recreation Studies

SRS 105 3:3-0
Introduction to Sport and Recreation Management
An introduction to the administration of recreation and sport at the local, provincial, and national level.

SRS 110 3:3-0
Recreation and Leisure Theory
Focus on the role of leisure and recreation in society emphasizing an understanding of the delivery system and the leisure phenomenon.

SRS 115 3:3-1
Leadership
This course will provide the student with an in-depth theoretical and practical exploration of the concepts associated with leadership and human motivation in the organizational environments associated with kinesiology, health, recreation, and sport.

SRS 120 3:3-1
Introduction to Recreation for Persons with Disabilities
This course will broadly introduce the student to the diagnosis, associated characteristics, and shifting sociocultural paradigms that influence the experiences of persons with physical, intellectural and/or developmental disabilities. Using an active living approach to situate theoretical and practical learning, this course requires the student to exercise the application of adapted physical activity principles to engage children, youth, and yound adults in physical activities that are safe, challenging, and self-determined with a focus on success.
This course is crosslisted with KIN 120

SRS 130 3:0-0
Junior Practicum in Sport and Recreation Management
An introductory practicum experience that will introduce students to professional roles within sport and recreation management. Students will engage in work related experiences on campus for an average of 9 hours per week over the course of the term.

SRS 181 3-15:15-15
Special Topics in Sport and Recreation Studies
Courses numbered SRS 181AA-ZZ are special topics courses with in the Bachelor of Sport and Recreation Studies degree. Special topics courses are those requiring pilot offerings prior to finalization of course content.

SRS 215 3:3-0
Volunteer Management
The focus of this course is the management of voluntary/ non-profit sport or recreation organizations. The management of key resources, including volunteers and finances, will be covered. Additionally, the current context of these organizations will be discussed.
***Prerequisite: SRS 105 (KHS 140) and SRS 115 (KHS 156) ***

SRS 220 3:3-0
Program Delivery and Management
An examination of the planning process and various program applications in the sport, recreation, and physical activity delivery systems.
Prerequisite: SRS 105 (KHS 140)

SRS 230 3:3-0
Venue and Event Management
Examination of venue and event management processes with a focus on developing skills and gaining knowledge to critically assess events and facilities in terms of current management best practices. It will also examine the nature and importance of and relationship between venues and events in sport and recreation. The course may also touch on issues related to legal, ethical, and socially responsible management as it relates to facilities and events.
***Prerequisite: SRS 105 (KHS 140) and SRS 115 (KHS 156) ***
Prerequisite/Corequisite: SRS 220 (KHS 243)

SRS 241 3:3-0
Social Construction of Disability
This course will enable the student to critically explore the traditional and contemporary understanding of disability, as a social construction, from a variety of perspectives: educational, socio-psychological, historical, socio-political, gender and community. Through this course, students will be able to contextualize disability within a broader social context.
***Prerequisite: KIN 120 ***
*Note: This course is crosslisted with KIN 241***

SRS 281 3-15:15-15
Special Topics in Sport and Recreation Studies
Courses numbered SRS 281AA-ZZ are special topics courses with in the Bachelor of Sport and Recreation Studies degree. Special topics courses are those requiring pilot offerings prior to finalization of course content.

SRS 308 3:3-0
International Experience Course
An intensive course offering will be delivered in an international location.

SRS 318 3:3-0
Specialty Discipline Course
This course will be delivered in an intensive format by a visiting scholar. Topics are variable.

SRS 320 3:3-0
Current Issues in Kinesiology, Sport, Recreation and Leisure
This course is designed to allow students to identify, discuss, and address current sociological, organizational, economic, ethical, philosophical or cultural issues related to the fields of kinesiology, sport, recreation and leisure.
Prerequisite: KIN 110 (KHS 154); SRS 105 (KHS 140), SRS 110 (KHS 141), SRS 115 (KHS 156)

SRS 340 3:3-0
Governance and Legal Issues in Third Sector Organizations
This course is designed to investigate the legal issues and management of risk in the sport and recreation delivery systems. This course will provide a basic understanding of the governmental systems and governing bodies that influence the delivery of recreation services and legal issues students will likely encounter in their future professions.
Prerequisite: 60 credit hours

SRS 351 3:3-0
Sport, Recreation and Leisure Tourism
The course examines sport, recreation and leisure tourism from a multidisciplinary perspective (economic, social, cultural, environmental, organizational, managerial). The course explores multiple outcomes and implications of tourism.
Prerequisite: SRS 220 or permission of the Associate Dean (Undergraduate) or designate
Note: Primary mode of delivery will be online

SRS 360 3:3-0
Outdoor Recreation Skill Development and Wilderness Experience
This experientially based course enables students to develop proficiencies in camping, canoeing, and orienteering through both theory and practice. Active participation in a one-week field trip in northern Saskatchewan is mandatory for all students.
*Note: Materials fee $65. This course is cross-listed with EOE 339; credit may only be received for one of these courses. *

SRS 381 3-15:15-15
Special Topics in Sport and Recreation Studies
Courses numbered SRS 381AA-ZZ are special topics courses with in the Bachelor of Sport and Recreation Studies degree. Special topics courses are those requiring pilot offerings prior to finalization of course content.

SRS 440 3:3-0
Applied Sport and Marketing and Sponsorship Development
This course is an examination of (a) the fundamental principles used in the marketing and sponsorship of sport and recreation organizations and events, and (b) the centrality of service quality in the marketing of sport and recreation organizations and events.
Prerequisite: SRS 110, SRS 220, and BUS 210

SRS 450 3:3-0
Sport and Recreation Management Consulting Experience
This course is designed to develop professional practice skills in sport and recreation management through the development and implementation of community-based project.
Prerequisite: Minimum 60 credit hours completed, including all required SRM major courses, KIN 220, and minimum 70.00% major GPA.

SRS 460 3:3-0
Outdoor Recreation Resource Management
Historical antecedents and current issues and practices in the use and management of parks, forests, wilderness areas, and other North American outdoor resources for recreation activity.
***Prerequisite: SRS 220 (KHS 243) ***

SRS 465 3:3-0
Commercial Recreation Management
An investigation of commercial recreation, sport organizations, and facilities including their philosophy, history, and personnel requirements.
***Prerequisite: SRS 220 (KHS 243) ***

SRS 481 3-15:15-15
Special Topics in Sport and Recreation Studies
Courses numbered SRS 481AA-ZZ are special topics courses with in the Bachelor of Sport and Recreation Studies degree. Special topics courses are those requiring pilot offerings prior to finalization of course content.

SRS 491 3:0-0
Variable Topic/Directed Reading an AA-ZZ series.
An opportunity for senior students to pursue an in-depth analysis of a topic related to their area of interest/ major area of study. This must be supervised by a faculty member and approved by the Associate Dean (Undergraduate), or designate.
Prerequisite: Minimum 70.00% PGPA

SRS 498 3:3-0
Honour Proposal
Supervised directed study and research leading to the development of a formal undergraduate thesis proposal for work to be conducted in SRS 499 (Honours Thesis).
***Prerequisite: KIN 220 ***

SRS 499 3:3-0
Honours Thesis
A thesis based on research previously proposed in SRS 498 (Honours Proposal). Formal approval of the research topic is given by attaining a minimum grade of 70% in SRS 498 (Honours Proposal). The thesis will be presented orally in an open forum.
***Prerequisite: SRS 498 ***

STAT Statistics

STAT 051 0:0-0
Statistics Co-op Work Term #1
Four-month co-op work term #1 approved by the department and arranged by the co-op coordinator.

STAT 052 0:0-0
Statistics Co-op Work Term #2
Four-month co-op work term #2 approved by the department and arranged by the co-op coordinator.
***Prerequisite: STAT 051 ***

STAT 053 0:0-0
Statistics Co-op Work Term #3
Four-month co-op work term #3 approved by the department and arranged by the co-op coordinator.
***Prerequisite: STAT 052 ***

STAT 054 0:0-0
Statistics Co-op Work Term #4
Four-month co-op work term #4 approved by the department and arranged by the co-op coordinator.
***Prerequisite: STAT 053 ***

STAT 100 3:3-0
Elementary Statistics for Applications
An introduction to statistical methods; descriptive statistics; the normal distribution; basic techniques of statistical inference; confidence intervals and hypothesis tests for population means and proportions; simple linear regression; and one-way analysis of variance.
Prerequisite: Foundations of Math 20 or Precalculus 20 or Apprenticeship and Workplace Math 30 or MATH A30 or AMTH 091 or MATH 101
Note: STAT 100 and STAT 200 are designed to provide a year-long introduction to statistical methodology with a view towards applications and are not intended for majors in statistics, actuarial science, or any other program requiring a detailed knowledge of statistics. Students who receive credit for STAT 100 may not receive credit for STAT 160

STAT 160 3:3-1
Introductory Statistics
A comprehensive introduction to probability, probability distributions, sampling distributions, basic techniques of statistical inference, analysis of variance, linear regression, inference for categorical variables, and nonparametric statistics. ***Prerequisite: Precalculus 30, or MATH B30 and MATH C30, or MATH 127***
Note: STAT 160 is designed to provide a comprehensive single term introduction to statistical techniques and is intended for students majoring in statistics, actuarial science, or any other program requiring a detailed knowledge of statistics. Students who receive credit for STAT 160 may not receive credit for STAT 100 or STAT 200

STAT 200 3:3-0
Intermediate Statistics for Applications
A continuation of STAT 100; inference for two categorical variables; basic multiple linear regression; two-way analysis of variance; introduction to nonparametric methods; statistical process control; introduction to survey design.
Prerequisite: STAT 100
Note: STAT 100 and STAT 200 are designed to provide a year-long introduction to statistical methodology with a view towards applications and are not intended for majors in statistics, actuarial science, or any other program requiring a detailed knowledge of statistics. Students who receive credit for STAT 200 may not receive credit for STAT 160

STAT 217 3:3-1
Introduction to Actuarial Mathematics
Topics include: economics of insurance, applications of probability to problems of life insurance, life annuities, and life tables.
Prerequiste: ACSC 116 or MATH 116, and STAT 251
Note: Students may receive credit for only one of ACSC 217 or STAT 217

STAT 251 3:3-0
Introduction to Probability
Basic notions of probability; discrete and continuous random variables; expectation; moment generating functions; joint discrete random variables.
Prerequisites: MATH 111 or MATH 112 and one of STAT 160 or STAT 200
Note: Students can receive credit for only one of MATH 251 and STAT 251

STAT 252 3:3-0
Introduction to Statistical Inference
Sampling distribution theory and the Central Limit Theorem; large sample theory; methods of estimation and hypothesis testing including maximum likelihood estimation, likelihood ratio testing, and confidence interval construction. ***Prerequisite: STAT 251.***

STAT 289 3:3-0
Statistics and Numerical Analysis for Engineers
Probability; distributions; confidence levels; standard deviation; linear regression; statistical tests; finite differences; errors; numerical solutions of equations; numerical differentiation and integration.
Prerequisite: MATH 111 with a grade of at least 60%
*Note: Designed for engineering students. Students who received credit for STAT 289 may not receive credit for STAT 100, 160, or 200.

STAT 300 3:3-1
Statistical Learning and Predictive Modeling
Selected topics and techniques in statistical learning and predictive modeling, including linear models, logistic regression models, regression trees, classification models and statistical software.
Prerequisite: MATH 122, STAT 251, STAT 252, and CS 110
Note: Students can receive credit for only one of ACSC 300 and STAT 300

STAT 317 3:3-1
Actuarial Models I
Probabilistic and deterministic contingency mathematics in life insurance and pensions. Topics include: benefit premiums, benefit reserves, multiple life functions, and multiple decrement models.
Prerequisite: ACSC 217 or STAT 217
Note: Students may receive credit for only one of ACSC 317 or STAT 317

STAT 318 3:3-0
Actuarial Models II
This course introduces collective risk models over an extended period. Stochastic processes are introduced, followed by definition and application of Markov chains. Introductory loss model material is also presented.
Prerequisite: ACSC 317 or STAT 317
Note: Students may receive credit for only one of ACSC 318 or STAT 318

STAT 342 3:3-0
Biostatistics
This course will present relevant, up-to-date coverage of research methodology using careful explanations of basic statistics and how they are used to address practical problems that arise in the medial and public health settings. Through this course, students will learn to interpret and examine data by applying common statistical tools to the biostatistical, medical, and public health fields.
Prerequisite: STAT 160 or STAT 200.
Note: Students with credit in BIOL 341 cannot take STAT 342 for credit.

STAT 351 3:3-0
Intermediate Probability
Multivariate random variables; conditioning; order statistics; the multivariate normal distribution; the Poisson process.
Prerequisite: MATH 213 and STAT 251.

STAT 354 3:3-1
Linear Statistical Methods
Simple linear regression; multiple linear regression; diagnostics and remedial measures for regression models; remedial measures and alternative regression techniques; multicollinearity diagnostics.
Prerequisite: STAT 252 and CS 110 and MATH 122.

STAT 357 3:3-1
Sampling Theory
Simple random sampling; systematic sampling; stratified and cluster sampling; ratio and regression estimators.
Prerequisite: STAT 252 and CS 110.

STAT 362 3:3-1
Bayesian Statistics
An introduction to Bayesian methods; Bayesian inference for discrete random variables, binomial proportions, and normal means; comparisons between Bayesian and frequentist inferences; robust Bayesian methods.
Prerequisite: STAT 252 and CS 110.

STAT 384 3:3-1
Categorical Data Analysis
Odds ratio; two-way and higher-way contingency tables; Chi-squared tests of independence; loglinear and logit models; multinomial response models; models for matched pairs.
Prerequisite: STAT 252 and CS 110.
Note: It is suggested that students register for STAT 354 concurrently if possible.

STAT 386 3:3-1
Nonparametric Statistical Methods
Nonparametric statistics for data analysis including rank-based methods, bootstrap methods, and permutation tests; one-sample and two-sample methods; paired comparisons and blocked designs; tests for trends and association; smoothing methods and robust model fitting.
Prerequisite: STAT 252 and CS 110.

STAT 418 3:3-1
Time Series Analysis and Forecasting
This course aims to introduce various statistical models for time series and cover the main methods for analysis and forecasting. Topics include: Deterministic time series: Trends and Seasonality; Random walk models; Stationary time series: White noise processes, Autoregressive (AR), Moving Average (MA), Autoregressive Moving Average (ARMA) models; Estimation, Diagnosis and Forecasting with various time series models; R programming for Time Series Analysis.
Prerequisite: STAT 354
Note: Students may receive credit for only one of ACSC 418 or STAT 418

STAT 426 3:3-0
Survival Analysis
Life tables; survival distributions; types of censoring; estimation of and interface for basic survival quantities; proportional hazards regression model; planning and design of clinical trials.
Prerequisite: STAT 351.

STAT 441 3:3-0
Stochastic Calculus with Applications to Finance
Processes derived from Brownian motion; the Ito integral and Ito's formula; applications of Ito's formula in financial modelling, especially within the context of the Black-Scholes option pricing model.
Prerequisite: STAT 351.

STAT 451 3:3-0
Advanced Probability
Probability measures; distribution functions; sequences of random variables; characteristic functions; modes of convergence; convergence theorems; weak and strong laws of large numbers; Central Limit Theorem.
Prerequisite: STAT 351.

STAT 452 3:3-0
Advanced Statstical Inference
Detailed theoretical development of statistical inference; statistical models; exponential families; sufficiency; completeness; properties of point estimation; testing hypotheses and confidence regions; asymptotic properties of estimators. ***Prerequisite: STAT 351 and STAT 252.***

STAT 454 3:3-1
Applied Multivariate Analysis
Review of multivariate normal distribution; inferences about a mean vector; multivariate linear regression analysis; principal components; factor analysis; canonical correlation analysis.
Prerequisite: STAT 351 and STAT 354.

STAT 456 3:3-0
Applied Stochastic Processes
An introduction to stochastic processes; Markov chains; Poisson processes; renewal processes; Brownian motion; simulation.
Prerequisite: STAT 351.
Note: Credit can be earned for only one of STAT 456 and ACSC 456.

STAT 485 3:3-1
Design and Analysis of Experiments
Theory and application of analysis of variance for standard experimental designs including blocked, nested, factorial, Latin square, and split-plot designs; fixed and random effects; multiple comparisons; analysis of covariance.
Prerequisite: STAT 354

STAT 495 1-3:3-0
Directed Reading in Statistics - an AA-ZZ series.
Prior to the registration of the student(s), the instructor must present to the department head a detailed outline of the material to be covered, the method of delivery, and the method of evaluation.

STAT 496 1-3:3-0
Directed Reading in Statistics - an AA-ZZ series.
Prior to the registration of the student(s), the instructor must present to the department head a detailed outline of the material to be covered, the method of delivery, and the method of evaluation.

STAT 497 1-3:3-0
Directed Reading in Statistics - an AA-ZZ series.
Prior to the registration of the student(s), the instructor must present to the department head a detailed outline of the material to be covered, the method of delivery, and the method of evaluation.

STAT 498 1-3:3-0
Directed Reading in Statistics - an AA-ZZ series.
Prior to the registration of the student(s), the instructor must present to the department head a detailed outline of the material to be covered, the method of delivery, and the method of evaluation.

STS Science and Technology Studies

STS 232 3:3-0
History of Astronomy
A survey of the development of astronomy, from its origins in the ancient civilizations of Babylon, Egypt, and Greece, to modern times.
***Prerequisite: ASTR 101 or completion of 15 credit hours ***

SW Social Work

SW 001 0:0-0
Student Wellness Initiative Toward Community Health
Students will work as a team under the supervision of professional mentors to provide after hours primary health care services, with measures in place to ensure continuity of care and health promotion.

SW 100 3:3-0
Foundations in Social Work
This course explores social issues confronting the state, social welfare agencies and social workers in addressing and responding to societal inequalities and human need. Students will also be introduced to the roles and fields of practice in social work in Canada and the values and ethics that guide the profession.
*SW 100 should be taken as the first Social Work course.

SW 200 3:3-0
Introduction to Social Work
(Yukon College only) This course provides an overview of both First Nations and western social work models, historical development, and current practice issues. Students are introduced to a critical analysis of the social work profession, and exposed to a range of social work theories and models.

SW 202 3:3-0
Critical Issues/Critical Thought
This course examines the foundations of critical thinking with application to social work issues in such areas as oppression, poverty, health, child welfare and violence.
Note: It is recommended that SW 100 be taken prior to SW 202

SW 301 3:3-0
Selected Topics - an AA-ZZ series.
This course is designed by the faculty, as required for groups of students.

SW 302 3:3-0
Selected Topics - an AA-ZZ series.
This course is designed by the faculty, as required for groups of students.

SW 303 3:3-0
Selected Topics - an AA-ZZ series.
This course is designed by the faculty, as required for groups of students.

SW 304 3:3-0
Selected Topics - an AA-ZZ series.
This course is designed by the faculty, as required for groups of students.

SW 305 3:3-0
Selected Topics - an AA-ZZ series.
This course is designed by the faculty, as required for groups of students.

SW 306 3:3-0
Selected Topics - an AA-ZZ series.
This course is designed by the faculty, as required for groups of students.

SW 307 3:3-0
Selected Topics - an AA-ZZ series.
This course is designed by the faculty, as required for groups of students.

SW 308 3:3-0
Selected Topics - an AA-ZZ series.
This course is designed by the faculty, as required for groups of students.

SW 309 3:3-0
Selected Topics - an AA-ZZ series.
This course is designed by the faculty, as required for groups of students.

SW 346 3:3-0
Social Work Practice I
This course examines the principles, concepts and skills related to social work with individuals, families, and groups, providing a theoretical framework for generalist social work practice.
Note: SW 346 must be taken prior to or concurrently with SW 347. For Yukon SW programs, SW 346 is a prerequisite for SW 347.

SW 347 3:3-0
Social Work Practice II
This course aims to develop an understanding of the characteristics of organizations, institutions and communities. Students will gain knowledge about macro practice theories and will begin to develop and enhance the social work skills used in various practice settings. Students will think critically about the structural responses to social distress.
Prerequisite: SW 346. Concurrent enrolment is allowed.

SW 348 6:1-0
Social Work Practicum I
Students, with support of agency supervision, will become directly involved in social work services and systems within the community, and experience professional practice. Seminars assist in the integration of theory and practice through sharing of experience and knowledge.
Prerequisite: Completion of SW 100, SW 346, SW 390, and 6 other social work credit hours
Note: All students must have a minimum GPA of 70% on the social work portion of the BSW to be eligible to register for SW 348.
Note: Practicum requires 230 hours in your placement, typically done as 2 days per week over 15 weeks. In addition, a mandatory orientation session is held prior to the field placement and students are required to attend bi-weekly seminars. Graded on a pass/fail basis. No mid-term break. Pre-Social Work students are not eligible to register for SW 348.
Exception: Yukon and Aurora College have different requirements and procedures for SW 348 and students should speak to their Academic Advisor.

SW 350 3:3-0
Anti-Oppressive Social Work Practice
The aim of this course is to unravel the underlying threads of multiple oppressions and the intersection of various sources and forms of oppression. The course will focus on anti-oppressive theoretical perspectives, laws, actions, advocacy, social work ethics and their application to social work practice and policy.

SW 352 9:9-0
Cultural Camp
Students live and work together with members of an Indigenous community for seven days to create an experience where they learn about traditional values and the current realities of the hosting community. Students learn how to build community and work with people from different cultural backgrounds.
Prerequisite: SW 389

SW 355 3:3-0
Developing Community through Investigation and Structural Transformation
This course will examine social work values and methods in relationship to societal issues. Specific social problems will be identified leading to an examination of the environment in which they exist. Actions that can be taken to address the root causes injustices and oppression will be addressed.

SW 389 3:3-0
Cultural Competence for Northern Social Work Practice
(Taught only at Yukon College and Aurora College.) Cultural theories, concepts and related structural issues are considered from personal and professional perspectives. Knowledge, skills and values of the culturally competent northern social worker are explored. Wellness, family, community and helping within an Aboriginal historical and contemporary context are examined.

SW 390 3:3-0
Communication Skills in Social Work Practice
This course specifically focuses on the development of skills necessary for competent social work communication in a variety of social work roles and settings. An introduction to communication theory is provided with an emphasis on skill development for students. Role plays and recorded sessions are required.

SW 403 3:3-0
Death and Dying
This course deals with the effects of death and dying on the individual, families, communities and helping professionals. It explores the role of the social worker in providing support and linking clients to resources in a variety of cultural contexts.

SW 405 3:3-0
Social Work with Aboriginal Peoples
This course investigates theory and practices for social workers to support Indigenous individuals, families and communities in a variety of settings. The course explores the history of of oppression experienced by Indigenous peoples by government policies. Emphasis is placed on individual self-determination, cultural safety, Indigenous self-governance and societal decolonization.

SW 407 3:3-0
Feminist Social Work Practice
This class provides an exploration of feminist principles and theory and its application to a variety of problems women face. An intersectorial anaylsis is used to evaluate the issues faced by people who are confronted with multiple oppressions.

SW 410 3:3-0
Work, Economic Security and Social Justice
This course explores the impact of globalization and the relationship between legislation, unemployment, labour market issues, social welfare policy and social work. A range of social, economic and political theories are discussed with a focus on how human service workers assist individuals and families.

SW 411 3:3-0
Abuse and Violence
This course examines abuse and violence primarily within familial relationships, but will also include discussion on various forms of trauma in a broader context. Individual, familial, institutional and societal responses to abuse and violence will be explored. A victim centered, trauma-informed social work perspective will be emphasized.
Note: Note: Recommend that students have completed one or more of SW 346, SW 390, SW 407, SW 414 or SW 437.

SW 412 3:3-0
Mental Health Services
This course examines the structure and function of mental health services in society with particular reference to the historical and theoretical foundations. Current practices, issues, and problems are reviewed.

SW 414 3:3-0
Child Welfare Practice
This course provides an overview of historical, and current child welfare legistation, policies and services. Regional perspectives are highlighted. Child maltreatment is defined and identified. The effects of child abuse and neglect on the child, family, and society will be explored. Prevention, investigation and intervention approaches are covered.

SW 415 3:3-0
Poverty
This course will examine poverty in Canada: its history, measurement, theoretical explanations, demographics, and impact on specific groups of people. It critically assesses income security programs and services, and explores the role of social workers in reducing poverty through practice methods, policy development and community action.

SW 416 3:3-0
Social Work and Older Adults
This course considers the social work practice, research, legislation and policy with older adults. It will explore issues affecting those living in the community as well as those residing in group or institutional care settings, and the role of family and community supports.

SW 417 3:3-0
Substance Abuse: Impacts and Interventions
This course will explore the impact of alcohol, drugs, and behavioral addictions on individuals, families, and society. Using a bio-psycho-social perspective, students will critically examine a range of models of assessment, harm reduction, treatment, and recovery used to address the addictions related issues in diverse populations.

SW 418 3:3-0
Social Work with Immigrants and Refugees
This course examines the experiences of immigrants and refugees and the role of social work. Issues of multiculturalism within Canadian society and regional perspectives are recognized as well as cultural and religious diversity and issues of systemic oppression.

SW 419 3:3-0
Social Work in Rural, Remote and Northern Communities
Rural social problems and issues will be explored within legal, political and economic contexts in which these problems occur. Theories and concepts useful for rural and northern social work practice will be the major focus of this class.

SW 420 3:3-0
The Legal Environment of Social Work Practice
The practice of social work has long been intertwined with the practice of law and the legal systems of society. This course will review legislation pertinent to social service programs that govern the professional practice of social work, and the related duties and obligations of social workers.

SW 421 3:3-0
Human Development in a Social Context
This course examines the interface of lifespan human development (biological, emotional, intellectual, spiritual and social) with the social and cultural environment in which people live, with application for social work practice.

SW 425 3:3-0
Group Work
This course is an introduction to group work, providing the student with an understanding of concepts, theories and development of beginning group work skills for social work practice.
Note: SW 346 and SW 390 are recommended

SW 427 3:3-0
Expressive Arts in Social Work Practice
This course explores expressive arts [art, dance, drama, music, narrative, play] as a way of enhancing communication with a variety of age groups and client populations. It blends theory with classroom activies, promotes self-knowledge, and examines practical and ethical considerations of using expressive arts with individuals and groups.
***Prerequisite: Completion of SW 390. ***

SW 437 3:3-0
Social Work with Families
This course is an introduction to working with families. Family systems theory is used for assessing various dynamics in family functioning. Family strengths, resilience and challenges will be explored. Theories, models and strategies of intevention are discussed from a social work perspective. *Note: SW 346 is recommended.*

SW 438 3:3-0
Interprofessional Collaboration for Health and Learning
In this course students will explore, in an interprofessional context, complex issues related to health and learning. A primary objective will be to engage in opportunities to develop knowledge, skills and attitudes related to collaborative competencies and promote interprofessional learning to foster interprofessional practice.

SW 440 3:3-0
Counselling Theories and Skills
This course examines counselling theories and skills with a specific emphasis on their application to social work practice. The counselling relationship and counselling process in a variety of helping situations will be explored. Ethics involved with counselling will also be discussed.
Note: Completion of SW 346 and SW 390 is recommended.

SW 448 15:3-0
Social Work Practicum II
Students, with support of agency supervision, will become directly involved in social work services and systems within the community, and experience professional practice. Seminars assist in the integration of theory and practice through sharing of experience and knowledge.
Prerequisite: SW 100, SW 202, SW 346, SW 347, SW 348, SW 350, SW 390, SW 421, SW 451, SW 460, and SW 469
Note: All students must have a minimum GPA of 70.00% on the social work portion of the BSW.
Note: Practicum requires 470 hours in your placement, typically done as 4 days per week over 16 weeks. In addition, a mandatory orientation session is held prior to the field placement and students are required to attend bi-weekly seminars. A part-time practicum, completed over two terms, may be arranged. Graded on a pass/fail basis. No mid-term break.
Note: Yukon and Aurora College have different requirements and procedures for SW 448 and students should speak to their Academic Advisor.

SW 450 3:3-0
Advanced Practice with Communities
This course examines the historic role of social work in community development/ community activism. Principles, models and skills in working in community development are explored with consideration of geographical location and personal and collective identities. Emphasis is placed on mobilizing communities for equality and social justice.

SW 451 3:3-0
Social Work Research
This course focuses on the contributions of research to effective social work practice and social policy. Emphasis is placed on understanding and critical assessing social work research, and on how to employ a variety of quantitative, qualitative, and community-based research methodologies to advance social work knowledge and practice.
Prerequisite: Completion of SW 100 and SW 202

SW 452 3:3-0
Management Practice in Social Work
Social Administration is one of the recognized areas of social work practice in a generalist framework. This course provides the introductory knowledge and skills to participate in the administration and management of human service organizations. Topics include leadership, supervision, organizational planning, financial planning and team building.
Note: Formerly numbered SW 480AB. Student may not receive credit for both SW 452 and SW 480AB.

SW 455 3:3-0
Developing Community through Field Experience
This class focuses on social work skills in an international context. Students examine and practice social work involvement with the people they serve in movements to overcome root causes of injustice and oppression. Social work values and methods convcerning an identified social issue are put into a field setting.
***Prerequisite: SW 355 ***
*Note: Formerly numbered SW 480AK. Student may not receive credit for both SW 455 and SW 480AK *

SW 460 3:3-0
Ethics in Social Work
This course is designed to sensitize students to the central role of ethics in contemporary social work. Theoretical foundations in social work ethics and the relationship between diverse value systems in Canadian society will be critically analyzed. Emphasis is on various ethical dilemmas and ethical issues facing social workers.

SW 465 3:3-0
Program Development and Evaluation
This course focuses on approaches and skills used in assessing community needs, planning and developing services, and evaluating programs in Social Work and related human service agencies.

SW 468 3:3-0
History of Social Welfare and Social Work in Canada
This course examines aspects of the history and philiosophy of social welfare with a focus on the legacy of the poor law as reflected in early Canadian health and welfare systems. The values and ethical base of social services and the profession of social work is discussed.

SW 469 3:3-0
Social Policy
This course examines the dimensions and practical inmplications of social policy in the lives of Canadians. Political, economic, and cultural influences over social policy are explored, as well as the skills needed to develop social policy and its relationship with the profession of social work.

SW 470 3:3-0
Social Work in Health Settings
The course will focus on the knowledge, attitudes, and skills social workers need in order to practice effectively in health care settings. Students will apply critical thinking in understanding the intricacies of issues in health care, the impact of various systems and the role of policy development on social work.

SW 479 3:3-0
Social Work and Disability Issues
This course will critically analyse the concept of disability and various conditions defined as disabling. It will also outline concerns and activism within disabilty communities, and strategies for social work practitioners to support independence and social inclusion of persons who live with disabilities.

SW 480 3:3-0
Selected Topics - an AA-ZZ series.
This course is designed by the faculty, as required for groups of students.

SW 482 3:3-0
International Themes in Social Work and Social Welfare
This course will examine the historical development of international social welfare using a comparative analysis. It will critically examine issues from local and global perspectives in the context of globalization, development and international social work.

SW 484 3:3-0
Community Practice Project
This course is designed to develop community organizing skills through the development and implementation of a short community project. The course integrates theory and skill development using a teamwork approach.

SW 485 3:3-0
Selected Topics in Research - an AA-ZZ series.
This course offers individual or group practice in developing viable research proposals, analyzing specific problems in social work, and carrying through library and/or field research projects.

SW 486 3:3-0
Selected Topics in Research - an AA-ZZ series.
This course offers individual or group practice in developing viable research proposals, analyzing specific problems in social work and carrying through library and/or field research projects.

SW 487 3:3-0
Selected Topics in Research - an AA-ZZ series.
This course offers individual or group practice in developing viable research proposals, anayzing specific problems in social work and carrying through library and/or field research projects.

SW 488 3:3-0
Selected Topics in Research - an AA-ZZ series.
This course offers individual or group practice in developing viable research proposals, analyzing specific problems in social work and carrying through library and/or field research projects.

SW 489 3:3-0
Selected Topics in Research - an AA-ZZ series.
This course offers individual or group practice in developing viable research proposals, analyzing specific problems in social work and carrying through library and/or field research projects.

SW 490 3:3-0
Selected Topics in Research - an AA-ZZ series.
This course offers individual or group practice in developing viable research proposals, analyzing specific problems in social work and carrying through library and/or field research projects.

SW 495 1-3:3-0
Individual and Group Inquiries
This course offers tutorials, directed readings, "learning contracts", and other agreements stipulating specified objectives negotiated between an instructor and individual students or groups of students.

SW 496 1-3:3-0
Individual and Group Inquiries
This course offers tutorials, directed readings, "learning contracts" and other agreements stipulating specified objectives negotiated between an instructor and individual students or groups of students.

SW 497 1-3:3-0
Individual and Group Inquiries
Tutorials, directed readings, "learning contracts" and other agreements stipualting specified objectives negotiated between an instructor and individual students or groups of students.

SW 498 1-3:1-0
Individual and Group Inquiries
Tutorials, directed readings, "learning contracts" and other agreements stipulating specified objectives negotiated between and instructor and individual students or groups of students.

SW 499 1-3:1-0
Individual and Group Inquiries
Tutorials, directed readings, "learning contracts" and other agreements stipulating specified objectives negotiated between an instructor and individual students or groups of students.

THAC Theatre Acting

THAC 160 3:3-0
Introduction to Acting
A course in the basic exploration of simple acting concepts through theatre games, character study, and ensemble playing.
Note: Student cannot receive credit for THEA 160 and THAC 160.

THAC 165 3:3-0
Selected Topics in Elementary Acting an AA-ZZ series
Selected topics in elementary acting
A studio course in the basic exploration of specific acting concepts, exercises or problems. Only offered in special circumstances and in collaboration with specific partners (such as UR Accelerated or CCE) and cannot be taken if a student has credit from THAC level 200 or above.

THAC 260 3:1.5-1.5
Acting Theory and Practice
An introduction to the fundamental methods practiced by professional actors in mainstream North American theatre and film. *Note: Student cannot receive credit for THEA 260 and THAC 260.*

THAC 270 3:1-3
Selected Topics in Voice - an AA-ZZ series
Selected topics and areas of vocal training and techniques as required for groups of junior undergraduate students.

THAC 271 3:1-3
Selected Topics in Movement - an AA-ZZ series
Selected topics and areas of movement training and techniques as required for groups of junior undergraduate students.

THAC 290 3:3-0
Selected Topics in Acting
An AA to ZZ series at the 200 level.
THAC 360 3:1-0
Selected Topics in Acting - an AA-ZZ series
Special topics or areas of selected acting training and techniques as required for groups of undergraduate students.
Prerequisite: THAC 260 or Permission of the Instructor

THAC 361 3:3-0
Acting for the Camera
This course focuses on the development of acting skills for film or video. Students will become familiar with production procedures and vocabulary. Each student will complete a series of on-camera exercises designed to highlight and examine the special demands of acting for a camera.
Note: Student cannot receive credit for THAC 361 and THAC 365AB.

THAC 362 3:3-0
Fundamentals of Improvisation
This course provides an introduction of the fundamentals of theatrical improvisation and a guide to improvisational choices through the use of theatre games and exercises. This course will emphasize artistic perception and creative expression.
***Students cannot receive credit for THAC 362 and/or THEA 365BR and/or THAC 360AA.

THAC 363 3:3-0
Introduction to Musical Theatre: Sing! Dance! Act!
Students are introduced to the world of musical theatre (through voice, body, and movement) as it relates to stage, film, and television.
***Students cannot receive credit for THAC 363 and/or THAC 360AF and/or THEA 365AG

THAC 365 0-6:6-6
Directed Studies in Production - an AA-ZZ series
Supervised research, rehearsal and production work designed for acting students working on productions. ***Prerequisite: Permission of the department head*** *Note: Student cannot receive credit for THEA 365 and THAC 365.*

THAC 370 3:1-0
Special Topics in Voice - an AA-ZZ series
Special topics or areas of selected vocal training and techniques as required for groups of senior undergraduate students.

THAC 371 3:1-0
Selected Topics in Movement - an AA-ZZ series
Selected topics and areas of movement training and techniques as required for groups of junior undergraduate students.

THAC 437 3:3-0
Professional Development
This course is a professional development course for groups of senior undergraduate theatre majors. An introduction to the major professional associations in Canadian theatre, film and television, portfolio development, writing a grant, taxation issues, etc. ***Prerequisite: Successful completion of 90 credit hours.***
Note: Student cannot receive credit for THEA 437 and THAC 437.

THAC 460 3:3-0
Selected Topics in Acting - an AA-ZZ series
Special topics or areas of selected acting training and techniques as required for groups of senior undergraduate students.
Prerequisite: THAC 260 or Permission of the Instructor

THAC 465 0-6:6-0
Directed Studies (Acting) in Production - an AA-ZZ series
Supervised research, rehearsal and production work designed for senior acting students working on productions. ***Prerequisite: Permission of the department head***

THAC 470 0-3:1-0
Special Topics in Voice - an AA-ZZ series
Special topics or areas of selected vocal training and techniques as required for groups of senior undergraduate students.

THAC 471 0-3:1-0
Selected Topics in Movement - an AA-ZZ series
Selected topics and areas of movement training and techniques as required for groups of senior undergraduate students.

THDS Theatre Design

THDS 121 3:3-3
Introductory Theatre Design
An introduction to the practices, aesthetics and techniques of contemporary stage set, costume and lighting design. The course will cover collage 2 and 3 dimensional rendering techniques. *Note: Student cannot receive credit for THEA 121 and THDS 121.*

THDS 220 3:3-3
Stagecraft Practices
A practical course in stagecraft techniques that includes projects in set construction, prop making and scenic painting.
Note: Student cannot receive credit for THEA 120 and THDS 220

THDS 221 3:3-0
Scenic Design and Model Making
Advancing the skills of the scenic designer with a focus on script analysis, research and model making techniques. *Note: Student cannot receive credit for THEA 222 and THDS 221.*

THDS 230 3:3-3
Crafting Costumes
An introduction to the craft of costume construction, pattern drafting, sewing techniques, mask making and their application to theatre costume. Skills may be applied to department projects conceived and realized by the class. *Note: Student cannot receive credit for THEA 130 and THDS 230.*

THDS 231 3:3-0
Costumes and Contexts
The class will place emphasis on developing the vocabulary of the designer, developing a visual response to the text, and various creative methods of rendering costumes. *Note: Offered in winter term only. Student cannot receive credit for THEA 231 and THDS 231.**

THDS 240 3:1-4
Introduction to Technical Theatre
A practical examination of the theatre technician's role in rigging, lighting, sound and the movement of scenery. *Note: Student cannot receive credit for THEA 241 and THDS 240.*

THDS 242 3:1-4
Practical Stage Management
The study and application of theory and practice of stage management including working on a Department Production. *Note: Student cannot receive credit for THEA 242 and THDS 242.*

THDS 300 3-6:6-0
Selected Topics - an AA-ZZ series
Courses covering various areas of scenography as required for groups of senior undergraduates.

THDS 301 3:3-0
Designing Commedia dell'arte
A study of visual representation of the stock characters of commedia dell'arte and how costumes and masks have historically been used in these representations. Mask making, costume rendering and basic prop building will be explored.
Note: Student cannot receive credit for THDS 300AA and THDS 301.

THDS 302 3:3-0
Designing for Non-matrixed Performance
A studio based investigation of non-traditional performance design including site specific performance and non-texted based production.

THDS 303 3:3-0
Designing Spectacle
A studio based exploration of scenographic problems and design for Opera and Musical Theatre.

THDS 304 3:3-0
Designing Shakespeare
A studio based course exploring the permutations, possibilities and consequences of traditional and non-traditional scenography and the visual representation using a diverse number of Shakespeare's plays.

THDS 305 3:3-0
On Representation - Stage, Film and New Media
This class is an exploration of representation in performance - the understanding of the body and the spectator in [re]presentational space. The course aims to develop a performative language through hands-on experience in the studio, theoretical readings, and critical and creative responses to dramatic texts.

THDS 345 3:1-4
Production Management
Research into current practices of production administration and management. *Note: Student cannot receive credit for THEA 345 and THDS 345.* ***Prerequisite: THDS 240***

THDS 346 3:1-4
Lighting Design
Examining the principles, theories, and equipment employed by a lighting designer. Areas of investigation include: colour, light sources, control systems, drafting of plans, and script analysis. *Note: Student cannot receive credit for THEA 346 and THDS 346.* ***Prerequisite: THDS 240***

THDS 347 3:3-0
Digital Graphics for Theatre
An applied study of computer graphics programs which are used in contemporary scenographic and technical theatre practice.
Prerequisite: Permission of the department head
Note: Student cannot receive credit for THEA 347 and THDS 347
Note: Creative Technologies Program Option

THDS 365 0-6:6-6
Directed Studies in Production an AA-ZZ series
Supervised research, rehearsal and production work designed for design, technical and stage management students working on productions. ***Prerequisite: Permission of the department head***

THDS 400 3:1-4
Design Assistantship
Students gain experience working on various aspects of realizing the design of a production (which is usually designed by a faculty member.)
Prerequisite: 21 credit hours of THDS courses at the 200- or 300 level OR permission of the department head.
Note: Student cannot receive credit for THEA 429 and THDS 400.

THDS 405 3:1-3
Selected Design Research
Research and preparation for a completed design project (usually in one element of a production) using Associated Designers of Canada standards and other academic assignments.
Prerequisite: 24 credit hours of THDS courses at the 200-, 300- and 400 level and an average of 70% in all THDS courses.

THDS 437 3:3-0
Professional Development
This course is a professional development course for groups of senior undergraduate theatre majors. An introduction to the major professional associations in Canadian theatre, film and television, portfolio development, writing a grant, taxation issues, etc. ***Prerequisite: Successful completion of 90 credit hours.***

THDS 465 0-6:6-6
Directed Studies (Design/Tech/Stage Management) in Production - an AA-ZZ
Supervised research, rehearsal and production work designed for senior design, technical and stage management students working on productions. ***Prerequisite: Permission of the department head***

THDS 490 3-6:6-0
Selected Topics - an AA-ZZ series
Courses covering various areas of scenography as required for groups of senior undergraduates.

THEA — Theatre

THEA 100 3:3-0
Introduction to Theatre
An introduction to the various aspects of theatre including performance and production, the play script, history, theory and criticism.

THEA 215 3:3-0
Selected topics in Theatre - an AA-ZZ series
This series of courses is designated selected topics at the junior level within the Department of Theatre. Content will be multi-disciplinary in nature but will not be connected to a production.

THEA 315 3:3-0
Selected topics in Theatre - an AA-ZZ series
This series of courses is designated selected topics at a senior level within the Department of Theatre. Content will be multi-disciplinary in nature but will not be connected to a production.

THEA 399 3:1-0
Theatre Study Tour - an AA-ZZ series
A tour of a major theatre centre involving attendance at a number of plays, backstage tours, lectures, and demonstrations. At least one substantial piece of writing will be required.
Prerequisite: Permission of the department head is required to register.

THEA 415 3:3-0
Selected topics in Theatre - an AA-ZZ series
This series of courses is designated selected topics at the advanced undergraduate level within the Department of Theatre. Content will be multi-disciplinary in nature but will not be connected to a production.

THEA 416 3:3-0
Directing
An introduction to the theory and practice of stage direction: scene work and analysis in the classroom.
Prerequisite: THST 250 and permission of the department head is required
Note: Student cannot receive credit for THEA 410 and THAC 410 and THEA 416

THEA 456 3:3-0
Comparative Studies in Theatrical Style, Form, and/or Place - an AA-ZZ series.
The comparative study of selected theatrical styles and forms, possibly relative to different cultures or regions. For details of the specific topic to be studied each term, consult the Theatre Department.

THRC — Therapeutic Recreation

THRC 181 3-15:15-15
Special Topics in Therapeutic Recreation
Courses numbered THRC 181AA-ZZ are special topics courses with in the Bachelor of Sport and Recreation Studies degree. Special topics courses are those requiring pilot offerings prior to finalization of course content.

THRC 200 3:3-0
Therapeutic Recreation Foundations
This course will provide the student with an introduction to the field of Therapeutic Recreation. More specifically, the course is designed to provide an introduction to the foundations, history, and development of the profession of Therapeutic Recreation. Students will be supported in their journey to understand the specialized area of expertise that makes Therapeutic Recreation unique within the health professions.
Prerequisite: KIN 120

THRC 240 3:3-1
Therapeutic Recreation: Aging
This course will support the student in the study of the characteristics and capabilities of the aging population, particularly as it relates to recreation, leisure and lifestyle. It focuses on theoretical aspects of aging and their practical implications for therapeutic recreation. This course will also enable the student to further understand issues facing older adults and how such issues can impact quality of life.
Prerequisite: KIN 120/SRS 120
Note: This course is crosslisted with KIN 240.

THRC 245 3:3-0
Assessment in Therapeutic Recreation
This course will provide the student with an introduction to assessment in therapeutic recreation. Students will be afforded opportunities to learn about assessment principles and practices as well as the use of outcome measurement as an evaluative tool in therapeutic recreation.
Prerequisite: KIN 120
Prerequisite/Corequisite: THRC 200
Note: This course is crosslisted with KIN 245.

THRC 281 3-15:15-15
Special Topics in Therapeutic Recreation
Courses numbered THRC 281AA-ZZ are special topics courses with in the Bachelor of Sport and Recreation Studies degree. Special topics courses are those requiring pilot offerings prior to finalization of course content.

THRC 300 3:3-0
Interventions in Therapeutic Recreation
This course examines the therapeutic recreation intervention process with emphasis on the various forms of interventions and strategies used to elicit changes in physical, social, emotional, and cognitive functioning for persons with disabilities, limitations or age-related conditions.
Prerequisite: THRC 200

THRC 308 3:3-0
International Experience Course
An intensive course offering will be delivered in an international location.

THRC 318 3:3-0
Specialty Discipline Course
This course will be delivered in an intensive format by a visiting scholar. Topics are variable.

THRC 342 3:3-0
Therapeutic Recreation: Physical and Developmental Disabilities
Students will understand the rold of therapeutic recreation in the lives of persons with physical and developmental disabilities. The etiology of physical and developmental disabilities, their impact on quality of life, and factors that influence participation in recreation and leisure will be considered. The social construction of disability will also be addressed.
Prerequisite: THRC 200
Prerequisite/Corequisite: THRC 245

THRC 344 3:3-0
Therapeutic Recreation: Chronic Conditions and Illnesses
Students will understand the rold of therapeutic recreation in the lives of persons with chronic conditions and illnesses, their impact on quality of life, and factors that influence participation in recreation and leisure will be considered. The social construction of disability will also be addressed.
Prerequisite: THRC 200
Prerequisite/Corequisite: THRC 245

THRC 346 3:3-0
Therapeutic Recreation: Mental Health and Addictions
The course explores mental health and addictions through a therapeutic recreation lens. Students will learn about the breadth of mental health and addictions related conditions and the impact of therapeutic recreation treatment on rehabilitation and recovery.
***Prerequisite: THRC 245 ***

THRC 381 3-15:15-15
Special Topics in Therapeutic Recreation
Courses numbered THRC 381AA-ZZ are special topics courses with in the Bachelor of Sport and Recreation Studies degree. Special topics courses are those requiring pilot offerings prior to finalization of course content.

THRC 447 3:3-0
Therapeutic Recreation: Professional Issues Seminar
A critical examination of historical and contemporary trends and issues impacting the profession of therapeutic recreation.
Prerequisite: Completion of 75 credit hours which includes THRC 245 and one of THRC 240, THRC 300, THRC 342, THRC 344, or THRC 346
Note: This course is crosslisted with KIN 447

THRC 481 3-15:15-15
Special Topics in Therapeutic Recreation
Courses numbered THRC 481AA-ZZ are special topics courses with in the Bachelor of Sport and Recreation Studies degree. Special topics courses are those requiring pilot offerings prior to finalization of course content.

THRC 491 3:3-0
Variable Topic/Directed Reading an AA-ZZ series
An opportunity for senior students to pursue an in-depth analysis of a topic related to their area of interest/ major area of study. This must be supervised by a faculty member and approved by the Associate Dean (Undergraduate), or designate.
Prerequisite: Minimum 70.00% PGPA

THST Theatre Studies

THST 200 3:3-0
Theatre History
Emphasizing all elements of production, this course surveys developments in Western theatre from its origin to the twenty-first century.

THST 250 3:3-0
Script Analysis
An introduction to the fundamentals of dramaturgy with a focus on the basic analysis of plays. The course will explore the dynamic of the relationship between script, stage, and audience. *Note: Student cannot receive credit for THEA 150 and THST 250.*

THST 251 3:3-0
Historical Approaches to Theatre
An introduction to the sources, methodology, theory and application of historical approaches related to the study and practice of theatre, with emphasis on current approaches and various theatrical periods.
Prerequisite: THST 250. Concurent enrolment is allowed.
Note: Student cannot receive credit for THEA 251 and THST 251.

THST 252 3:3-0
Critical Approaches to Theatre
An introduction to the methodology, theory, and application of critical approaches to drama and theatre.
Prerequisite: THST 250. Concurrent enrolment is allowed.
Note: Student cannot receive credit for THEA 252 and THST 252.

THST 253 3:3-0
Dramaturgy
Introduction to the work of a professional dramaturge, including the analysis and preparation of pre-modern plays for performance and critical and historical materials for director, designer, actor, and audience.
Prerequisite: THST 250.
Note: Student cannot receive credit for THEA 250 and THST 253.

THST 300 3:3-0
Ancient and Medieval Theatre/Drama - an AA-ZZ series
Studies in theatre and drama from BCE through the medieval period. The particular plays and focus of the course will be chosen and announced each term.

THST 301 3:3-0
Early Modern Theatre/Drama - an AA-ZZ series
Studies in theatre and drama from the 16th to 18th centuries. The particular plays and focus of the course will be chosen and announced each term.

THST 302 3:3-0
Modern and Postmodern Theatre/Drama - an AA-ZZ series
Studies in theatre and drama from the late 19th to 21st centuries. The particular plays and focus of the course will be chosen and announced each term.

THST 310 3:3-0
Selected Topics - an AA-ZZ series
Courses covering selected topics of theatre studies or history as required for groups of senior undergraduates.

THST 361 3:3-0
LGBTQ Theatre Since Stonewall
This class will focus on the development of LBGTQ theatre in the late 20th Century to the present. Taking the Stonewall Riots as the genesis of the contemporary gay and lesbian rights movement this class will examine the growth of GLBTI theatre from the tortured characters of the 'gay' play to the victim driven AIDS drama through the mainstreaming of gay issues in the theatre and onto the solo queer performances of today.
***Prerequisite : Completion of 30 credit hours or permission of department head
***Students may not receive credit for THST 361 and/or THEA 454AB.

THST 380 3:3-0
Canadian Theatre
Reading and analysis of Canadian plays with an emphasis on production and historical theatrical contexts. *Note: Student cannot receive credit for THEA 380 and THST 380.*

THST 381 3-6:6-0
Selected Topics - an AA-ZZ series
Courses in special subjects as required for groups of intermediate undergraduates.

THST 382 3:3-0
Comedies of Menace: Pinter
A study of the plays of Harold Pinter
Prerequisite: Completion of 30 credit hours or permission of department head
Students may not receive credit for THST 382 and THST 381AA and/or THEA 381AE.

THST 390 0-6:6-6
Directed Study - an AA-ZZ series
Supervised reading and research designed as required for individual students. This course will normally be taken in conjunction with another 300 or 400 level course. ***Permission of the department head is required to register.***
Note: Student cannot receive credit for THEA 390 and THST 390.

THST 396 3:1-0
Directed Study for Honours Students
Supervised reading and research involving advanced research materials and methodology and study relating to an increasingly focused research topic.
Prerequisite: 3 THST courses at the 300 level and admission to the honours program.
Note: Student cannot receive credit for THEA 396 and THST 396.

THST 411 3:3-0
Writing One Act Plays
Composition of original one-act scripts with detailed discussion of dramaturgical problems having to do with such matters as style, structure, and characterization. ***Prerequisite: Permission of the department head is required to register.***
Note: Student cannot receive credit for THEA 411 and THST 411.

THST 412 3:3-0
Writing Full Length Plays
Composition of original full-length scripts with detailed discussion of dramaturgical problems having to do with such matters as style, structure, and characterization. ***Prerequisite: THST 411 or ENGL 252. Permission of the department head is required to register.***
Note: Student cannot receive credit for THEA 412 and THST 412.

THST 450 3:3-0
Studies in Theatre Aesthetics - an AA-ZZ series
Studies relating to dramatic theory and criticism as required by groups of senior undergraduate students.
Prerequisite: One of THST 300 LV, or a 200 level HIST or literature course in any language.

THST 451 3:3-0
Applied Criticism - an AA-ZZ series
Theory and practice of preparing reviews and critiques relating to theatrical productions. Students will be required to attend plays and present several reviews of critiques in written and oral form.

THST 452 3:3-3
Advanced Studies in Dramaturgy - an AA-ZZ series
Designed for advanced dramaturgy students wishing to undertake a focused research project, possibly in conjunction with a practical project involving a production or new play development.

THST 454 3:3-0
Selected Topics in Theatre History - an AA-ZZ series
The study of selected topics in theatre history and/or literature at the advanced level. For details of the specific topic to be studied each term, consult the Theatre Department.

THST 456 3:3-0
Comparitive Studies in Theatrical Style, Form, and/or Place - an AA-ZZ series
The comparative study of selected theatrical styles and forms, possibly relative to different cultures or regions. For details of the specific topic to be studied each term, consult the Theatre Department.

THST 457 3:3-0
Selected Topics in Performance Studies - an AA-ZZ series
Topics focus on one of the most important practical and theoretical approaches to theatre in the late 20th/early 21st century.

THST 458 0-6:3-6
Selected Topics - an AA-ZZ series
Courses in special subjects as required for groups of senior undergraduates.

THST 460 3:3-0
Theatre of Cruelty
Antonin Artaud's manifesto The Theater and Its Double rejected psychological realism, advocating the creation of a metaphysical theatre of ritual and sacrifice. Privileging the body and images of violation and destruction, Artaud inspired generations of avant garde theatre artists. This course traces his influence from the 1950s to the 1980s.
Prerequisite: Completion of 60 credit hours or permission of department head.
Note: Students may not receive credit for THST 460 and/or THEA 454AA and/or THST 456AA.

THST 462 3:3-0
Staging the Passion
A study of various texts, medieval to contemporary, that dramatize the events of Christ's passion: his trial, crucifixion, and burial.
***Prerequisite: Completion of 60 credit hours or permission of department head
***Students may not receive credit for THST 462 and/or THEA 454AC.

THST 480 3:3-0
Advanced Studies in Canadian Theatre and Drama - an AA-ZZ series
The advanced study of selected topics in Canadian theatre. For details of the specific topic to be studied each term, consult the Theatre Department.

THST 490 0-6:6-6
Directed Study - an AA-ZZ series
Supervised reading and research designed as a graduating project for individual students. This course will normally be taken in conjunction with another 300 or 400 level course.

THST 496 3:0-1
Directed Studies for Senior Honours Students
Supervised reading and research involving primary research materials and the development of a practical performance or dramaturgical project associated with the honours essay.
Prerequisite: THST 396.
Note: Student cannot receive credit for THEA 496 and THST 496.

THST 497 3:0-1
Honours Essay
Supervised research and writing of the honours essay.
Prerequisite: THST 496.*
Note: Student cannot receive credit for THEA 497 and THST 497.

WGST — Women's and Gender Studies

FOUNDATIONS COURSES include WGST 100, 200, and 220.

Students can establish an area of focus in the Women's and Gender Studies major and honours major programmes.

THEMES AND THEORIZING indicates a focus in feminist theories, and categories of analysis. Courses in this stream include WGST 361, 367, 372, 420, and 421.

HEALTH AND ENVIRONMENT indicates a focus in wormen's issues related to health and the environment. Courses in this stream include WGST 201, 202, 301, 380AA-ZZ, 390AA-ZZ, 480AA-ZZ, 490AA-ZZ,

WGST 100 3:3-0
Introduction to Women's and Gender Studies
This course will examine the historical development of feminism and women's studies. Women's representation in academic practice will be analyzed using examples from humanities, the arts, and social sciences. Strategies for change and for the empowerment of women will be considered.

WGST 200 3:3-0
Feminisms: Feminist Theories and Knowledge
An examination of theoretical and epistemological issues related to feminist and indigenous systems of knowledge. Course materials will bring diverse theorists into dialogue with such topics as gender, identity, sexuality, the body, work, the family, language, violence, representation.
***Prerequisite: WGST 100 or permission of coordinator ***

WGST 201 3:3-0
Women, the Environment and Change
This course is an interdisciplinary and cross-cultural exploration of issues revolving around women, the environment and change. Some topics explored will be a feminist view of the social, historical and cultural roots of the environmental crisis, environmental rights and ethics, and women's participation in environmental movements to name a few.
***Prerequisite: WGST 100 or completion of 15 credit hours, or permission of the coordinator ***

WGST 202 3:3-0
Women and Reproductive Technologies: Ancient and Modern
This course is an interdisciplinary, cross-cultural, and historical exploration of women and reproduction through a feminist lens. Topics will range over a broad spectrum of social, cultural and scientific issues. These may include: women's reproductive knowledge and midwifery and/or rituals and taboos surrounding conception among others.
***Prerequisite: WGST 100, or permission of coordinator ***
*Note: Formerly numbered WMST 280AB. Students may not receive credit for both WGST 202 and WMST 280AB. *

WGST 203 3:3-0
Women, Motherhood and Mothering
This course is a feminist exploration of the many issues revolving around women as mothers. Motherhood as a patriarchal institution has often oppressed women while women's experiences of mothering have often been empowering. Mother roles, expectations, stereotypes, and experiences will be examined from an interdisciplinary, cross-cultural, and historical perspective.
***Prerequisite: WGST 100 or permission of coordinator. ***

WGST 204 3:3-0
Women, Gender and Science
This course is an interdisciplinary, cross-cultural and historical exploration of diverse issues revolving around the relationship between Gender and Science. Topics explored may include a feminist exploration of women's historical and contemporary placement within science, the diverse ways women view science and are viewed within science, among others.
Prerequisite: WGST 100, or permission of coordinator
Note: Formerly numbered WMST 380AI and WGST 302. Students may receive credit for only one of WGST 302, WMST 380AI or WGST 204

WGST 205 3:0-0
Women's Autobiography, Life Writing and Empowerment
A feminist exploration of women's autobiographical expressions including: memoirs, journals, personal essays, autoethnography, scripts, and film. Autobiography gives voice to the way social constructions of gender, race, class, age, ability and sexuality regulate and influence women's lived experiences. Methods of resistance and empowerment embedded in autobiography are examined as well.
Prerequisite: 30 credit hours or permission of instructor
Note: Formerly numbered WGST 280AI. Students may receive credit for only one of WGST 205 or WGST 280AI.

WGST 206 3:0-0
Feminism and Activism
How do feminist principles translate into political action, public policy, organizational structures, artistic or religious movements? Why have some movements been successful where others failed? We will examine this "dance" through the context and biographies of suffragette leaders, feminist global movements, and engage in service learning at successful feminist agencies.
Prerequisite: WGST 100 or permission of instructor
Note: Formerly numbered WGST 280AG. Students may receive credit for only one of WGST 206 or WGST 280AG.

WGST 220 3:3-0
The Practice of Feminist Research: Power and Inequality
This course examines the research process through feminist lenses engaging with questions about power, inequality and positionality inherent in doing research. Considerations of how power relations inform the various steps in the research process are examined from the selection of topics to the presentation of findings.
***Prerequisite: 30 credit hrs or WGST 100, or permission of coordinator ***
*Note: Formerly numbered WMST 280AF. Students may not receive credit for both WGST 220 and WMST 280AF. *

WGST 280 3:3-0
Selected Topics - an AA-ZZ series
Courses designed as required for groups of undergraduates.
***Prerequisite: WGST 100 or permission of coordinator ***

WGST 300 3:0-0
Missing Women: Decolonization, Third Wave Feminisms and Indigenous Peoples
Why are indigenous women throughout the world more likely to "go missing"? This class will examine systems that intersect and perpetuate racism and colonialism, sexism and poverty, and the effects of globalization on the breakdown of family structures. Expertise and voices from community activists will be integral to this class.
Prerequisite: WGST 100, or permission of the Instructor
Note: Formerly numbered WGST 390AF. Students may receive credit for only one of WGST 300 or WGST 390AF.

WGST 301 3:3-0
Women and Health: Local and Global
This course examines a wide range of issues in women's health and wellness from a critical feminist perspective. It will cover a range of topics such as the ramifications of the biomedical model for women's health, disparities in women's health, AIDS, mental health, violence against women, aging, disabilities, and reproduction.
Prerequisite: Completion of 30 credit hours, or permission of Coordinator
*Note: Formerly numbered WMST 380AF. Students may not receive credit for both WGST 301 and WMST 380AF. *

WGST 361 3:3-0
Gender, Race and the History of Art
Seminar on the impact of feminist post-colonial critiques on the discipline of art history. Readings, discussions and papers will focus on topics such as body imagery, the gaze, sexuality, primitivism, orientalism, the canon and the culture wars, the studying of non-Western cultures, etc.
Prerequisite: WGST 100 or permission of the Coordinator

WGST 362 3:3-0
Geography of Identities and Power
An examination and comparison of the use and perception of space and place by time-period, and culture, age, gender, race, ethnicity, class and sexuality: in homes, neighbourhoods, cities, rural areas, recreation, travel, environment, and politics.
Prerequisite: 30 credit hours including WGST 100 or permission of department head.
Note: Cross-listed with GEOG 338. Students may receive credit for only one of WGST 362 or GEOG 338.

WGST 367 3:3-0
Gender and Language
A study of issues related to gender and language, including stylistic variation between the sexes, differing male and female strategies for dealing with social context, and sexist language.
Prerequisite: ENGL 100 and WGST 100 or permission of the Coordinator
*Note: Cross-listed with ENGL 367. Students may not receive credit for both WGST 367 and ENGL 367. *

WGST 372 3:3-0
Gender: Theories and Practices
This course begins by examining gender/sex theories (feminist, masculinity and queer studies) arising from a variety of academic locations. Thereafter, we analyze gender/sex ideologies shaped by and in religio-cultural practices across a spectrum of historical locations (e.g., ancient Greece, early modern Europe, West Africa, and the Middle East).
***Prerequisite: WGST 100 or RLST 100 or permission of the Coordinator ***
*Note: This course is cross-listed with RLST 373. Students may receive credit for only one of WGST 372 or RLST 373. *

WGST 380 3:3-0
Selected Topics - an AA-ZZ series
Courses designed as required for groups of students.
Prerequisite: WGST 100 and permission of the Coordinator

WGST 390 1-3:3-0
Directed Reading and Research - an AA-ZZ series
Courses designed for individual majors.
***Prerequisite: WGST 100 or permission of coordinator ***

WGST 420 3:3-0
Sexualities: Theories and Practices
This course examines sexualities cross-culturally and historically. Subjects such as heterosexuality, homosexuality, heterosexism, transsexuality, so-called sexual deviancy, and gay and lesbian culture are investigated. Included will be an elucidation of sexualities via recourse to social, cultural, and ritual practices.
Prerequisite: RLST 373 or WGST 372 or permission of the Coordinator
Note: Formerly numbered WMST 480AA. Students may receive credit for only one of WGST 420 or WMST 480AA.

WGST 421 3:3-0
Feminism, Women and Globalization
An examination of the conditions of women's lives in a global context. Engaging feminist theoretics within postcolonialism, anti-racism and civil rights locations, this course examines women's issues such as poverty, environmental degradation, labour, power and so forth and subsequent feminist responses generated from a variety of geo-political locations.
***Prerequisite: WGST 100 and WGST 200, or permission of coordinator ***
*Note: Formerly numbered WMST 480AB. Students may not receive credit for both WGST 421 and WMST 480AB. *

WGST 480 3:3-0
Selected Topics - an AA-ZZ series
Courses designed as required for groups of undergraduates.
Prerequisite: WGST 100 and permission of the Coordinator

WGST 490 1-3:3-0
Directed Readings and Research - an AA-ZZ series
Courses designed for individual majors.
***Prerequisite: WGST 100 or permission of the coordinator ***

WGST 498 1-3:3-0
Honours Seminar - an AA-ZZ series
Honours seminar.
***Prerequisite: Admission to the Honours program ***
** Permission of the Coordinator is required to register. **

WGST 499 1-3:3-0
Honours Essay - an AA-ZZ series
Honours essay.
***Prerequisite: Admission to the Honours program. ***
** Permission of the Coordinator is required to register. **