



# WINTER COURSE LIST

## (7 JANUARY – 13 APRIL 2019)

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### AHSC 241 - RECREATION AND LEISURE IN CONTEMPORARY SOCIETY

Program: Undergraduate, 3 credits

**Short overview**

This course introduces students to the theories and relationships of play, perceptions of free and discretionary time, concepts of leisure, and the historical foundations for the discipline.

For more information: [Complete Description and Registration](#)

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### AHSC 260 - PROGRAM PLANNING DESIGN AND EVALUATION

Program: Undergraduate, 3 credits

**Short overview**

The course prepares students to construct effective interactive programs designed for specific client populations. Using program design principles and practices, students match learning activities to desired program outcomes.

For more information: [Complete Description and Registration](#)

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## ARTH 272 - FROM REALISM TO ABSTRACTION IN CANADIAN ART

Program: Undergraduate, 3 credits

### Short overview

An introduction to ideas and techniques associated with the transition from representationalism to abstraction in 19th- and 20th-century Quebec and Canadian art.

For more information: [Complete Description and Registration](#)

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## ARTH 298 - MONTREAL: EVOLUTION THROUGH ARCHITECTURE AND URBANISM

Program: Undergraduate, 3 credits

### Short overview

In this course we will try to follow the evolution of Montreal, from its beginnings to the present. We will visit the city through video, audio and images, and explore the different suburbs of Montreal by being there, at least virtually.

For more information: [Complete Description and Registration](#)

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## BIOL 202 - GENERAL BIOLOGY

Program: Undergraduate, 3 credits

### Short overview

This course presents the fundamentals of biology including the basic physics and chemistry of life, the structure and functions of cell and tissues, and aspects of anatomy, physiology, taxonomy, heredity and evolution.

For more information: [Complete Description and Registration](#)

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## BIOL 203 - FUNDAMENTAL NUTRITION

Program: Undergraduate, 3 credits

### Short overview

This course deals with food composition (carbohydrates, lipids, proteins, vitamins, and minerals), its absorption and utilization, energy balance, special diets, and food technology.

For more information: [Complete Description and Registration](#)

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## BTM 200 - FUNDAMENTALS OF INFORMATION TECHNOLOGY

Program: Undergraduate, 3 credits

### Short overview

This course deals with information technology issues such as software, hardware, tele-communications, the Internet and personal productivity. The course will bring you up to speed on the different facets of information technology and will prepare you not only for courses to come but also for today's industry expectations.

For more information: [Complete Description and Registration](#)

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## CHEM 204 - FROM ALCHEMY TO MODERN CHEMISTRY

Program: Undergraduate, 3 credits

### Short overview

This course examines the development of chemistry before the 20th century from the Greek, Chinese and Islamic religions and philosophies to the development of measurement and instrumentation to analyze matter. The objective is to understand the roots of modern chemistry.

For more information: [Complete Description and Registration](#)

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## COMM 215 - BUSINESS STATISTICS

Program: Undergraduate, 3 credits

### Short overview

This course introduces the fundamentals of statistics as applied to the various areas of business and administration. Topics covered include techniques of descriptive statistics, basic theory of probability and probability distributions, estimation and hypotheses testing, etc.

For more information: [Complete Description and Registration](#)

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## COMM 222 – ORGANIZATIONAL BEHAVIOUR AND THEORY

Program: Undergraduate, 3 credits

### Short overview

This course is designed to provide students with an opportunity to study individual behaviour in formal organizations. Through theoretical case and experiential approaches, the focus of instruction progressively moves through individual, group and organizational levels of analysis.

For more information: [Complete Description and Registration](#)

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## COMM 226 - BUSINESS TECHNOLOGY MANAGEMENT

Program: Undergraduate, 3 credits

### Short overview

The objective of this course is to provide students with an understanding of the role of computer-based information systems in business organizations and the analytical skills required to work with management information systems.

For more information: [Complete Description and Registration](#)

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## COMM 305 - MANAGERIAL ACCOUNTING

Program: Undergraduate, 3 credits

### Short overview

This course covers the development of accounting information to assist management in carrying out its functions effectively and efficiently. Concepts and techniques for planning, performance evaluation, control, and decision-making are introduced.

For more information: [Complete Description and Registration](#)

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## COMM 315 - BUSINESS LAW AND ETHICS

Program: Undergraduate, 3 credits

### Short overview

This course allows students to develop a degree of familiarity with the important ethical and legal aspects of business and to become more aware of and comfortable with resolving ethical and legal components of their decision-making and with distinguishing right from wrong business behaviour.

For more information: [Complete Description and Registration](#)

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## COMP 218 - FUNDAMENTALS OF PROGRAMMING

Program: Undergraduate, 3 credits

### Short overview

*Computers and computing: problem solving with computers, basic data types, expressions, assignments, control structures, simple library functions, programmer-defined functions, arrays of basic types, etc.*

For more information: [Complete Description and Registration](#)

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## COMS 361 – PROPAGANDA

Program: Undergraduate, 3 credits

### Short overview

The aim of this course is to recognize the orchestration of the elements of propaganda in media, and to develop the means to deal with it.

For more information: [Complete Description and Registration](#)

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## ECON 201 - INTRODUCTION TO MICROECONOMICS

Program: Undergraduate, 3 credits

### Short overview

Introduction to the functioning of the market system, concepts of supply and demand, the role of prices in resource allocation, production decisions by firms, etc.

For more information: [Complete Description and Registration](#)

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## ECON 203 - INTRODUCTION TO MACROECONOMICS

Program: Undergraduate, 3 credits

### Short overview

An introductory analysis of aggregate economic activity. The focus is on the principles of determination of the level of employment, national income, real output, inflation, and international balance of payments.

For more information: [Complete Description and Registration](#)

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## EDUC 240 - INTRODUCTION TO TRAINING AND DEVELOPMENT

Program: Undergraduate, 3 credits

### Short overview

This course provides an overview of the design and development of training in organizations by introducing students to theoretical and practical concepts. Topics explored include the organizational and personal benefits of training, different modes of delivery including e-learning, the transfer of learned skills to the workplace environment, etc.

For more information: [Complete Description and Registration](#)

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## EDUC 270 - EDUCATIONAL COMMUNICATION

Program: Undergraduate, 3 credits

### Short overview

In this course, students study fundamental communication skills used by effective instructors. By examining how to write the most basic types of instructional content, including definitions, objectives, descriptions and procedures, etc.

For more information: [Complete Description and Registration](#)

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## EDUC 307 - INTEGRATING DIGITAL TECHNOLOGIES AND SOCIAL MEDIA IN LEARNING ENVIRONMENTS

Program: Undergraduate, 3 credits

### Short overview

The purpose of EDUC 307 course is to prepare learners to select, implement, and evaluate the emerging forms of digital technologies and social media to enhance the learning process across formal and informal educational settings.

For more information: [Complete Description and Registration](#)

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## ELEC 321 - INTRODUCTION TO SEMICONDUCTOR MATERIALS AND DEVICES

Program: Undergraduate, 3 credits

### Short overview

Fundamentals underlying optical and electronic devices; the structure and growth of crystals; the energy band model for elemental and compound semiconductors; electronic and optical properties of semiconductors; electroluminescence and photoluminescence; etc.

For more information: [Complete Description and Registration](#)

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## ELEC 437/ELEC 6421 - RENEWABLE ENERGY SYSTEMS

Program: Undergraduate, 3 credits / Graduate, 4 credits

### Short overview

Electrical basics and models of solar energy (photo-voltaics), electrical power from wind energy, electrical power from water, including wave energy, tidal energy, micro-hydro, etc.

For more information: [Complete Description and Registration](#)

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## ENGL 306 - TOLKIEN'S OLD ENGLISH

Program: Undergraduate, 3 credits

### Short overview

This course studies the fantasy novels of J.R.R. Tolkien alongside the works of Old English literature that inspired him, considering the grammar of Old English and such selections as the Exeter Riddles, The Battle of Maldon, The Anglo Saxon Chronicle, and Beowulf in juxtaposition with Tolkien's novels.

For more information: [Complete Description and Registration](#)

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## ENGR 201 - PROFESSIONAL PRACTICE & RESPONSIBILITY

Program: Undergraduate, 1.5 credits

### Short overview

Health and safety issues for engineering projects: Quebec and Canadian legislation; safe work practices; general laboratory safety common to all engineering disciplines, and specific laboratory safety pertaining to particular engineering disciplines. Review of the legal framework in Quebec, particularly the Professional Code and the Engineers Act, as well as professional ethics.

For more information: [Complete Description and Registration](#)

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## ENGR 361 - FLUID MECHANICS I

Program: Undergraduate, 3 credits

### Short overview

- Basic concepts and principles of fluid mechanics
- Classification of fluid flow
- Hydrostatic forces on plane and curved surfaces, buoyancy and stability, fluids in rigid body motion
- Mass, momentum, and energy conservation integral equations,
- Bernoulli's equation
- Etc.

For more information: [Complete Description and Registration](#)

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## FFAR 291/INTE 398 - HIV/AIDS: AN INTERDISCIPLINARY INTRODUCTION

Program: Undergraduate, 3 credits

### Short overview

This course is an interdisciplinary survey of the major issues and challenges of the AIDS pandemic, introducing students to a broadly based overview of its scientific, social and cultural impacts. It also examines the interaction of personal and experiential perspectives with collective values, beliefs and behaviours in response to the health crisis worldwide and locally.

For more information: [Complete Description and Registration](#)

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## FINA 200 - PERSONAL FINANCE

Program: Undergraduate, 3 credits

### Short overview

This course is designed to help individuals better manage their current and future financial affairs. The course introduces the terminology and basic concepts underlying personal financial management. It helps students set goals and develop skills to conduct basic research when making personal financial decisions.

For more information: [Complete Description and Registration](#)

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## FINA 210 - INTRODUCTION TO REAL ESTATE

Program: Undergraduate, 3 credits

### Short overview

This course introduces the concepts, principles, analytical methods and tools used for investment, development, and evaluation of real estate assets. The course focuses on issues such as market and feasibility analysis, investment property analysis, forms of ownership, etc.

For more information: [Complete Description and Registration](#)

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## FINA 230 - INTRODUCTION TO FINANCIAL MANAGEMENT

Program: Undergraduate, 3 credits

### Short overview

This course provides an overview of financial management. It introduces some of the basic terms as well as the role that finance plays in the firm and markets today, notably: the role of the financial manager; the different types of business organizations; how the financial market works; etc.

For more information: [Complete Description and Registration](#)

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## GDBA 540/GCE 514 - ENTREPRENEURSHIP

Program: Graduate, 3 credits

### Short overview

The objective of this course is to introduce graduate students to the entrepreneurial process and the role of entrepreneurs in the new economy. The discipline of entrepreneurship is practiced by people with a wide range of backgrounds and academic experience. Throughout this course, you will be led to examine how entrepreneurship can be complementary to your own background.

For more information: [Complete Description and Registration](#)

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## INST 250 - INTRODUCTORY INFORMATION LITERACY SKILLS

Program: Undergraduate, 3 credits

### Short overview

This course is designed to introduce students to basic research practices. It familiarizes students with a variety of information sources in both print and non-print formats. Emphasis is placed on developing a systematic search strategy in the use and evaluation of the information sources. For more information: [Complete Description and Registration](#)

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## INTE 296 - DISCOVER STATISTICS

Program: Undergraduate, 3 credits

### Short overview

This course introduces students to the basics of statistics and is aimed at mastering the elementary analytical concepts of the subject. Topics include descriptive statistics, correlation and regression analysis, experimental analysis, probability, hypothesis testing, and analysis of variance.

For more information: [Complete Description and Registration](#)

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## MATH 200 - FUNDAMENTAL CONCEPTS OF ALGEBRA

Program: Undergraduate, 3 credits

### Short overview

This course is designed to give students the background necessary for MATH 201. Some previous exposure to algebra is assumed. Sets, algebraic techniques, inequalities, graphs of equations.

For more information: [Complete Description and Registration](#)

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## MATH 201 - ELEMENTARY FUNCTIONS

Program: Undergraduate, 3 credits

### Short overview

Sets, inequalities, graphs of functions, and relations. Trigonometric, exponential, and logarithmic functions.

For more information: [Complete Description and Registration](#)

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## MATH 208 - FUNDAMENTAL MATHEMATICS I

Program: Undergraduate, 3 credits

### Short overview

This course is a prerequisite course for John Molson School of Business students. Matrices, Gaussian elimination, input-output analysis, progressions, compound interest, annuities, permutations and combinations, probability, binomial theorem, exponential and logarithmic functions, inequalities, linear programming.

For more information: [Complete Description and Registration](#)

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## MATH 209 - FUNDAMENTAL MATHEMATICS II

Program: Undergraduate, 3 credits

### Short overview

This course is a prerequisite course for John Molson School of Business students.

For more information: [Complete Description and Registration](#)

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## MTHY 693 - RESEARCH IN MUSIC THERAPY: QUALITATIVE AND QUANTITATIVE METHODS

For more information: [Complete Description and Registration](#)

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## PHIL 210 - CRITICAL THINKING

Program: Undergraduate, 3 credits

### Short overview

This course is an introduction to argumentation and reasoning. It focuses on the kinds of arguments one is likely to encounter in academic work, in the media, and in philosophical, social, and political debate. The course aims to improve students ability to advance arguments persuasively and their ability to respond critically to the arguments of others.

For more information: [Complete Description and Registration](#)

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## PHIL 235 - BIOMEDICAL ETHICS

Program: Undergraduate, 3 credits

### Short overview

This course is primarily concerned with contemporary biomedical debates, many of which are of current social and political significance: euthanasia and physician-assisted suicide, patients' rights, animal experimentation, organ donation and transplantation, palliative care, abortion, genetic engineering, and new reproductive technologies.

For more information: [Complete Description and Registration](#)

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## PHYS 204 - MECHANICS

Program: Undergraduate, 3 credits

### Short overview

Kinematics, Newton's laws of motion. Statics, dynamics. Conservation of momentum and energy. Rotational motion. Periodic motion.

For more information: [Complete Description and Registration](#)

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## PHYS 205 - ELECTRICITY AND MAGNETISM

Program: Undergraduate, 3 credits

### Short overview

Electrical charge and Coulomb's law. Electrical field and potential. Capacity, steady state, and transient currents. Electromagnetic induction and alternating currents.

For more information: [Complete Description and Registration](#)

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## PHYS 273 - ENERGY AND ENVIRONMENT

Program: Undergraduate, 3 credits

### Short overview

This course studies energy — a critical resource for civilization — and the impact of energy consumption on societies and the environment. Topics include renewable and non-renewable energy sources, the physics of energy, energy production and distribution, and social and global environmental issues.

For more information: [Complete Description and Registration](#)

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## POLI 209 - PUBLIC SECURITY AND TERRORISM

Program: Undergraduate, 3 credits

### Short overview

This course provides an overview of modern terrorism and its evolution, focusing on terrorist movements, groups and incidents in many parts of the world over time.

For more information: [Complete Description and Registration](#)

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## PSYC 200 - INTRODUCTORY PSYCHOLOGY

Program: Undergraduate, 6 credits

### Short overview

This comprehensive survey course introduces the student to a wide variety of topics in scientific psychology. Topics include the foundations of modern psychology, neural mechanisms, learning and memory, sensation and perception, motivation and emotion, cognitive processes, social influences, personality, disorders of cognition and behaviour, and therapy.

For more information: [Complete Description and Registration](#)

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## PSYC 255 - BRAIN AND BEHAVIOUR

Program: Undergraduate, 3 credits

### Short overview

This course is an introduction to the biological bases of behaviour. The structural and functional anatomy of the central nervous system is presented, with particular emphasis on the neural pathways involved in behaviours relating to motivation, mood, learning and memory, and sensation and perception.

For more information: [Complete Description and Registration](#)

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## PSYC 315 - STATISTICAL ANALYSIS I

Program: Undergraduate, 3 credits

### Short overview

This course is an introduction to statistics that are used in the context of psychology research. Topics dealt with include frequency distributions, measures of central tendency and dispersion, the normal curve, correlation, linear regression, elementary probability theory, etc.

For more information: [Complete Description and Registration](#)

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## RELI 216 - ENCOUNTERING RELIGIONS

Program: Undergraduate, 3 credits

### Short overview

Religion has been part of human civilization for over five thousand years. *Encountering Religions* serves as an introduction to several religions in the modern world. The course explores a number of contemporary contexts wherein people of diverse religious backgrounds have come into contact with one another.

For more information: [Complete Description and Registration](#)

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## THEO 204 - INTRODUCTION TO CHRISTIAN ETHICS

Program: Undergraduate, 3 credits

### Short overview

This course is an introduction to the field of ethics in the context of Christian faith. Christian ethics is presented as an active quest towards understanding and guiding Christian moral living. There is a brief presentation of the historical background to Christian ethics, an exploration of the points of convergence with other religious traditions, as well as the interrelationship between morality and freedom.

For more information: [Complete Description and Registration](#)

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## THEO 228/IRST 228 - CELTIC CHRISTIANITY

Program: Undergraduate, 3 credits

### Short overview

This course examines the impact and development of Christianity as it emerged in the Insular World (Britain, Ireland and the Atlantic seaboard) in Late Antiquity and the Early Middle Ages. It follows an interpretive historical trajectory, uncovering the connections between proto-Celtic and pre historic Celtic culture, early European Christianity (Rome, Gaul, Spain), and the spirituality of the Christian East (Jerusalem, Egypt).

For more information: [Complete Description and Registration](#)

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