

# 2007-2008 University of Guelph-Humber Calendar

The information published in this University of Guelph-Humber Calendar outlines the rules, regulations, curricula, programs and fees for the 2007-2008 academic year, including Summer Semester 2007, Fall Semester 2007 and Winter Semester 2008.

For your convenience the Guelph-Humber Calendar is available in PDF format.

If you wish to link to the Guelph-Humber Calendar please refer to the Linking Guidelines.

The University of Guelph is a full member of:

- The Association of Universities and Colleges of Canada

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Revision Information:

May 16, 2007	Initial Publication
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# Disclaimer

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## University of Guelph-Humber 2007

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The information published in this Calendar outlines the rules, regulations, curricula, programs and fees for the 2007-2008 academic year, including the Summer Semester 2007, the Fall Semester 2007, and the Winter Semester 2008.

The University reserves the right to change without notice any information contained in this calendar, including any rule or regulation pertaining to the standards for admission to, the requirements for the continuation of study in, and the requirements for the granting of degrees or diplomas in any or all of its programs. The publication of information in this calendar does not bind the University to the provision of courses, programs, schedules of studies, or facilities as listed herein.

The University will not be liable for any interruption in, or cancellation of, any academic activities as set forth in this calendar and related information where such interruption is caused by fire, strike, lock-out, inability to procure materials or trades, restrictive laws or governmental regulations, actions taken by faculty, staff or students of the University or by others, civil unrest or disobedience, or any other cause of any kind beyond the reasonable control of the University. In the event of a discrepancy between a print version (downloaded) and the Web version, the Web version will apply.

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Published by: Undergraduate Program Services

Editor: J. Phippen, Manager, Registrarial Services (Guelph-Humber)

## **Introduction**

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### **Collection, Use and Disclosure of Personal Information**

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Personal information is collected under the authority of the University of Guelph Act (1964), and in accordance with Ontario's Freedom of Information and Protection of Privacy Act (FIPPA) [http://www.e-laws.gov.on.ca/DBLaws/Statutes/English/90f31\\_e.htm](http://www.e-laws.gov.on.ca/DBLaws/Statutes/English/90f31_e.htm). This information is used by University officials in order to carry out their authorized academic and administrative responsibilities and also to establish a relationship for alumni and development purposes. Certain personal information is disclosed to external agencies, including the Ontario Universities Application Centre, the Ministry of Training, Colleges and Universities, and Statistics Canada, for statistical and planning purposes, and is disclosed to other individuals or organizations in accordance with the Office of Registrarial Services Departmental Policy on the Release of Student Information. For details on the use and disclosure of this information call the Office of Registrarial Services at the University at (519) 824-4120 or see <http://www.uoguelph.ca/registrar/registrar/index.cfm?index>.

### **Statistics Canada - Notification of Disclosure**

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For further information, please see Statistics Canada's web site at <http://www.statcan.ca>.

### **Address for University Communication**

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Depending on the nature and timing of the communication, the University may use one of these addresses to communicate with students. Students are, therefore, responsible for checking all of the following on a regular basis:

#### **Email Address**

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The University issued email address is considered an official means of communication with the student and will be used for correspondence from the University. Students are responsible for monitoring their University-issued email account regularly. See Section I--Statement of Students' Academic Responsibilities for more information.

#### **Home Address**

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Students are responsible for maintaining a current mailing address with the University. Address changes can be made, in writing, through the Registrar's office.

#### **Name Changes**

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The University of Guelph is committed to the integrity of its student records, therefore, each student is required to provide either on application for admission or on personal data forms required for registration, his/her complete, legal name. Any requests to change a name, by means of alteration, deletion, substitution or addition, must be accompanied by appropriate supporting documentation.

### **Student Confidentiality and Release of Student Information Policy Excerpt**

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The University undertakes to protect the privacy of each student and the confidentiality of his or her record. To this end the University shall refuse to disclose personal information to any person other than the individual to whom the information relates where disclosure would constitute an unjustified invasion of the personal privacy of that person or of any other individual. All members of the University community must respect the confidential nature of the student information which they acquire in the course of their work.

Complete policy at <http://www.uoguelph.ca/policies>.



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# XI. Course Descriptions

## General Information

### Course Labelling and Levels

Each course is identified by a two-part code. The first part of the code refers to the subject area, the second to the level of the course. Thus, the course BADM\*3000 is a course in the subject area of Business Administration (BADM\*XXXX), and is of a level that places it among courses in the 3000 series. The series 1000, 2000, 3000 and 4000 numbers are intended to indicate progressively more demanding content, and correspondingly increasing competence on the part of the students enrolled in the course. Courses in the 1000 series are mainly for first year students, those in the 2000 series are mainly for second year students, and those in the 3000 series are for third year students. Similarly, courses in the 4000 series are intended to be taken by students in the fourth year of honours programs. It is important that students planning their courses have clearly in mind the significance of these numbers so that they may guard against undertaking course work at levels for which they are insufficiently prepared.

### Course Information

The letters S, F, W indicate the University's intention to offer the course in the Summer (S), Fall (F) or Winter (W) semester during the academic year covered by this Calendar. Although courses normally will be offered in the semester indicated, students preparing their course programs are advised to consult the Undergraduate Course Timetable. The University cannot guarantee that all courses will be offered in the exact semester indicated.

The figures in parentheses ( ) following the semester designation are a general guide to the lecture and laboratory contact hours per week, the first digit being the number of lecture hours and the second, the number of laboratory hours. The credit weight for each course appears in brackets [ ]. A credit weight of [0.50] indicates 10-12 student effort hours, including class time, on academic tasks associated with the course.

Detailed course descriptions are maintained at the office of the department offering the course. Some courses, designated "Experiential Learning" courses in the Calendar description, are deliberately designed to accommodate the need to grant academic credit for experiential learning external to regular courses, in such contexts as co-operative education, field observation/job shadowing, internship/externships, practical, service learning, or work study (and other approved experience). Prior approval for admission to these courses must be obtained from the department and instructor concerned.

### Course Prerequisites

A number of courses have stated prerequisites which are prior requirements for entry to the course. Students who do not satisfy course prerequisites, or who in the opinion of the instructor do not possess an equivalent background to that of the stated prerequisites, are not eligible to enrol in the course. When some specific background is desirable but not required, the course description will include a statement of recommended background. It is understood that the instructor may accept equivalent courses from other institutions in place of the stated prerequisites. Students who wish to enrol in courses for which they do not have the stated prerequisite(s) must obtain instructor approval as outlined in Section VIII, Undergraduate Degree Regulations and Procedures.

### Course Equates and Restrictions

**Equates** - Equate indicates a course identical to the one under which it is listed. The course may have been re-numbered or may be cross-listed under two subject areas. Students will not be permitted to register in equated courses.

**Restrictions** - A restriction is a "rule" that is placed on the computer system (Colleague) at the direction of an academic department so that particular students may not register in particular courses. The course may be restricted because there is sufficient over-lap in content with another course so that it is inappropriate for the student to take a similar course for credit. In a different instance, the course may be restricted by "Instructor Consent" so that the student must discuss the special requirements of the course with the instructor before enrolling. Or, alternatively, the restriction may reflect a "Priority Access" designation for enrolment management purposes (see Priority Access).

## Arts, Humanities, Social Sciences

### AHSS\*1000 Microeconomics F (3-0) [0.50]

Microeconomics introduces students to the ideas of how society and individuals use limited resources to meet their needs. It focuses on the individual and the firm within the Canadian economy to develop competencies in understanding current events through the application of microeconomic theories including supply, demand, prices, wages, unemployment, markets, competition and monopoly. It examines the concept of market failure and the need for government intervention to achieve social and political goals. This course provides the foundation for further study of the accumulative effects of these elements in macroeconomics.

### AHSS\*1010 Macroeconomics W (3-0) [0.50]

Macroeconomics is the study of the operation of the economy as a whole. This course, building beyond the concepts and theories of microeconomics provides the theoretical constructs that are essential to understanding the total Canadian production and spending. It develops competencies in understanding current economic events through assignments and case studies, which examine how governments may manipulate fiscal and monetary policy to control the economy and achieve economic goals and the concerns of interest rates, unemployment, inflation and the exchange rate of the Canadian dollar.

*Prerequisite(s):* AHSS\*1000

### AHSS\*1020 Human Security and World Disorder W (3-0) [0.50]

This course examines an interdisciplinary approach to the study of human security. Drawing on resources from psychology, philosophy, history and political science, students examine the policies and procedures used to address security issues in the 20th century and evaluate their applicability in facing future challenges. In this process, students study key concepts in the works of such thinkers as Freud, Nietzsche, Hobbes, Marx, Arendt, Rawls and Bourdieu.

### AHSS\*1030 Introduction to Organizational Behaviour W (3-0) [0.50]

This course in Organization Behaviour examines and analyzes organizations as open systems and focuses on key variables including organizational culture, the external environment, organizational structure, motivation, group dynamics, leadership, change management and communication. The student will demonstrate increased competency by applying their knowledge and skills to contemporary business situations through case studies and other activities.

### AHSS\*1040 Currents in Twentieth Century Global History F (3-0) [0.50]

This course introduces students to the main currents of twentieth century global history with a particular emphasis on Asia, Africa and Latin America. It focuses on themes of hegemony and resistance; great power imperialism and nationalist resistance; post-colonial struggles against foreign domination; challenges to global economic and political structures; race and gender hierarchies; and technological and environmental movements.

### AHSS\*1050 Sociology of Consumption F (3-0) [0.50]

This course analyses the consumption of goods and services that is both the driver of our economy and a daily personal activity. Patterns of consumption vary according. Patterns of consumption vary according to class, ethnicity, and gender, and this course examines these differences in detail. The possibility of resistance to prevailing trends and the question of ecological constraints on consumption are probed as alternatives to the dominant mythology of the market. The growth of consumer culture is examined from a variety of classical and contemporary perspectives, including thinkers such as Marx, Weber, Veblen, Simmel, Adorno, Galbraith, and Bourdieu.

### AHSS\*1060 Mass Communication F (3-0) [0.50]

This course examines the theories and practices of the mass media and its impact on society. It examines the purposes of the mass media in a democratic society by comparing the works of various theorists such as, Marshall McLuhan, Noam Chomsky, and Neil Postman. This course is a study of traditional media – newspapers, magazines, television, radio, film – and the rapidly growing new media.

### AHSS\*1070 Film Study W (3-0) [0.50]

This is an introductory survey of the cinema as a form of 20th Century art. It analyzes the basic elements of movies – shots, angles, camera movements, editing and composition – and explores the language of film through viewing and analysis of notable examples from various decades and genres. Propaganda and documentaries are also studied, along with the ways popular cinema can deal with ideologically oppressed groups.

### AHSS\*1080 Ethical Issues W (3-0) [0.50]

Through a case study approach, this course examines ethical theories to contemporary moral issues faced by professionals working in media industries. It examines which, if any, limits should be placed on the media and its influence on society.

### AHSS\*1090 Communication, Technology and Culture W (3-0) [0.50]

By adopting an interdisciplinary approach that draws upon resources from literature, philosophy, sociology, and media studies, this course examines the inter-dependence of communications, technology and culture. Integrating practical lab assignments with theory, students will reflect on the ways in which the new media is changing how we view the world and see ourselves.

### AHSS\*1100 The Examined Life W (3-0) [0.50]

Students are introduced to the art of philosophical reasoning and reflection through a diverse selection of writing drawn from philosophy, religion, art, science and meditation. Students explore their intellectual legacy to find their own unique perspectives. The course encourages students to appreciate the connections between philosophy and other modes of intellectual inquiry.

### AHSS\*1110 Introductory Psychology: Dynamics F (3-0) [0.50]

Students are introduced to the discipline of psychology's basic concepts, theories, research methods, and practices in four sub-areas --Developmental, Personality, Abnormal, and Social Psychology. Psychology developed as a social and behavioural science, as well as a profession. Its research findings are applicable in such contexts as education, early childhood settings, social work, the justice system, and the work place.

### AHSS\*1120 Introductory Psychology: Principles F (3-0) [0.50]

An introduction to the experimental study of the evolving nature of human and animal behaviour. Particular emphasis is placed on linking the biological, behavioural and cognitive scientific findings that describe the life long processes involved in learning, perception, memory, thinking, consciousness, motivation and emotion. Students will have the choice of on-line mastery testing or on-line discussion of specially chosen applied examples of concepts covered during lecture.

### AHSS\*1130 Principles of Sociology F (3-0) [0.50]

Sociology is the systematic study of the groups, cultures and societies, which constitute collective human life. It examines patterns of social organization, and the resulting influences and constraints within which we all operate. This course introduces students to the major theories, perspectives and topics in sociology. Major sociological theories are explored and applied to the analysis of economic power, cultural values, family, religion, gender, ethnicity, class, age, and race.

### AHSS\*1140 Public Sector Management W (3-0) [0.50]

The changing nature of public sector management in Canada is the key focus of this course. By the end of World War Two, governments were playing a far more important role in society than ever before. However, in the 1970s and 1980s, the traditional public service came under attack for its size, its lack of innovation, and widespread inefficiencies. The rhetoric of public management grew. Students become acquainted with a number of the ideas associated with public management including alternative service delivery (ASD), privatization, contracting out, and the infusion of other management techniques from the private sector into the public service.

### AHSS\*1150 Introduction to Law F (3-0) [0.50]

Students analyze the elements of offences, classify offences, and identify possible defences in criminal cases. They also examine the rights and obligations of citizens involving areas of civil law. Students learn to recognize the responsibilities and limitations of citizens and police officers in light of the Charter of Rights and Freedoms. They develop legal research and analysis skills to locate, interpret and apply statute and case law.

### AHSS\*1160 Crime and Criminal Justice F (3-0) [0.50]

Students examine the literature on crime and criminal justice from a sociological perspective. Particular attention is given to cross-national and cross-cultural issues by way of comparison, in order to allow students to gain a broader sense of criminological theory, research and practice. Topics include an examination of social criminological theories, data sources, research methods, types of criminal behaviour, and the criminal justice system.

### AHSS\*1170 Lifespan Development F (3-0) [0.50]

This is an interdisciplinary course drawing on psychology, sociology and human biology in providing an overview of how human development unfolds across the life cycle. It will provide students with repeated opportunities to explore implication and applications for both work and family settings, and for enhancing their own self-understanding. This course will be conducted exclusively over the web and will bring students into close interactive contact with their instructor and with the other students in the class. (Only offered through Distance Education format.)

### AHSS\*1190 The Political Process & Social Work F (3-0) [0.50]

This course is designed to provide a basic introduction to the issues of power and wealth in Canadian society, and the formal political system of government. The course examines the various political influences, both inside and outside government, that affect people's lives and shape communities. The course also examines the relationship between political processes and their impact on the human services and the clients they serve.

**AHSS\*1200 Issues in Social Welfare W (3-0) [0.50]**

Students develop knowledge, understanding and analytical skills of the current status and future choices concerning Canada's social welfare system. They study the current social and economic trends and their impact on social welfare programs, clients, agencies and social service workers. Students examine the different value systems underlying current government proposals for social welfare reform at both the provincial and federal levels as well as the underlying values of other stakeholders such as consumer groups and social welfare agencies. They develop the skills to analyze the implications of the reforms for clients, communities and social service workers.

*Prerequisite(s):* AHSS\*1190

**AHSS\*1210 English I: Reading and Writing Effectively F (3-0) [0.50]**

Good communication skills are essential for good citizenship and for successful participation in the complex world of the 21st century. This course offers foundational training in written communication, using models of effective writing from many areas of contemporary life and representing various important social and cultural issues. Students practice their own writing through a number of assignments, while developing a critical awareness of their society through classroom discussion, oral presentations, and the course readings. Assignments are tailored to the needs of various applied disciplines, including business writing.

**AHSS\*1220 Teaching Drama to Children W (2-3) [0.50]**

Children's inclination to play which can be used to introduce them to drama. Beginning with a discussion of what constitutes "drama", the course explores drama as a site of learning for young children. Students evaluate the role of the teacher in working with children at various stages of development, and the materials and organization that are necessary for establishing a successful drama program in the classroom.

**AHSS\*1250 Critical Thinking F (3-0) [0.50]**

This course will introduce analytical methods. The ability to believe in the truth of a fact, proposition, theory, or analysis is one of the most important attributes humans possess. Believing is a daily activity; it occurs in many ways – repetition alone is enough to engender it – as we take in information from family and friends, news analysts and authors, politicians and professors. Being able to assess the logical correctness of an assertion, therefore, is an absolute necessity if we are to be in charge of what we believe rather than allowing what we believe to be in charge of us. Students will develop the ability to recognize and eliminate faulty reasoning and to focus on the information needed to support reasonable conclusions in both inductive and deductive arguments.

**AHSS\*1260 Modern and Contemporary Philosophy W (3-0) [0.50]**

Philosophy can be defined as the "love of wisdom." More specifically, philosophy is the rational and critical inquiry into the fundamental questions of human existence: Does life have a meaning or is it simply absurd? Does God exist or is belief in God merely a myth? In this course, we will take a historical approach to the central issues of philosophy by examining such questions as: What is the nature of reality (metaphysics)? What can we know (epistemology)? Do good and evil exist (ethics)? What is beauty (aesthetics)? Through the investigation of these timeless questions, we will participate in "the great conversation" that has shaped the world in which we live. This course continues the historical approach to the central problems of philosophy. Students will study the modern and more contemporary philosophers who have influenced our understanding of modernity. Beginning with Descartes, the Utilitarians will be studied. The course will also examine Nietzsche's critique of conventional morality and rationalistic philosophy.

**AHSS\*2010 Documentary Film and Television F (2-2) [0.50]**

This course examines topics in the history and rhetoric of documentary and non-fiction film and television, through critical analyses and comparison of classic and contemporary examples of the form. Students also study the central modes of documentary production and distribution, including public and commercial television, theatrical distribution and film festivals, within various cultural contexts including Canada.

*Prerequisite(s):* AHSS\*1070

**AHSS\*2020 Presentations and Persuasion W (2-2) [0.50]**

The ability to present material effectively in public is an important aspect of both journalism and public relations. In this study of public presentation, students are introduced to the psychology of persuasion, techniques of addressing an audience, and rhetoric, including a consideration of classical modes of argument.

**AHSS\*2030 Contemporary Narrative F (3-0) [0.50]**

This course examines a variety of short stories and novels from various countries, looking at theories of narrative and ways of approaching the study of literature. Contemporary social and political issues are discussed in relation to questions of aesthetics and language. Students explore cultural differences in the context of Canadian society at the turn of the twenty-first century and in relation to the past. Some of the texts specifically address questions related to media studies and prompt students to consider links between imaginative writing and other kinds of media communication.

**AHSS\*2040 Early and Middle Childhood Development F (3-0) [0.50]**

This course examines the physical, cognitive, social, and emotional development of children from infancy to adolescence with a focus on pre-school ages through the course of middle childhood (ages 2-11). Emphasis is placed on integrating the theories of prominent developmental theorists with contemporary research findings for practical application purposes. Students gain the capacity to thoughtfully address common issues and questions that face practitioners and researchers of early and middle childhood development.

**AHSS\*2050 Ethical Issues in Information Technology F (3-0) [0.50]**

Selected topics are examined concerning the conduct of information technology (IT) professionals. The course discusses the concepts of morality, ethics, justice and freedoms. Codes of conduct of professional organizations are studied as exemplars for acceptable behaviour. Students are given challenging ethical dilemmas, for which they will assume particular positions and justify them. The rights of developers of intellectual IT property are examined. Reliability and related liability issues are discussed. The course examines criminal law as applied to IT: the development of computer crime legislation and investigation as it deals with pornography, harassment, fraud, theft and invasion of privacy. Issues unique to cyberspace are discussed such as spamming, hacking, cyber-terrorism and electronic internationalization of other criminal activity.

*Prerequisite(s):* 4.00 credits

*Restriction(s):* Registration in the DCCT Program.

**AHSS\*2060 Workplace Preparation and Technical Writing F (1-2) [0.25]**

This course will develop the fundamental skills necessary to participate in the Distributed Computing and Communication Technology Co-operative Education Program (DCCT Co-op) at Guelph-Humber. The student will: strengthen cover letter, résumé, and interview skills and develop networking and personal job search skills; participate in a virtual employment process that mirrors the real Co-op employment process; become familiar with Co-op, Co-operative Education Services and the policies that facilitate the Co-op process. Students will practise technical writing skills: memorandum writing, email behaviour guidelines, public presentation, elements of technical writing style, comparison of selected tools for generating on-line documentation.

*Prerequisite(s):* 4.00 credits

*Restriction(s):* Registration in the DCCT Program.

**AHSS\*2080 Ethical and Professional Issues in Human Services W (3-0) [0.50]**

The Code of Ethics and Standards of Practice of the Ontario College of Social Workers and Social Services Workers are examined in detail in this course, along with case study material emphasizing implications for practice, including a framework for analysing and resolving a range of ethical and legal issues. Some issues include: professional and personal boundaries, self-determination and personal autonomy of clients versus paternalistic beneficence, and the use of coercion or undue influence, dual relationships, confidentiality and privacy issues, determinations of competence, requirements concerning the maintenance of professional expertise, including cultural competence, self-awareness and self-care.

*Prerequisite(s):* 3.00 credits including: AHSS\*2120, FCSS\*1010, FCSS\*2040

**AHSS\*2090 Supporting Families: Research and Applications W (3-0) [0.50]**

This course builds on students' introductory courses in family relationships and child development by focussing on parent-child interactions that promote healthy outcomes for children in order to assess dynamics that are problematic and require intervention. It broadens understanding of the interdependence in parent-child relationships by analysing how they are influenced by factors internal and external to the family. Research and personal beliefs related to contemporary family issues are examined to formulate helpful interventions and supports for parents.

*Prerequisite(s):* AHSS\*2120

*Restriction(s):* Registration in Family and Community Social Services program.

**AHSS\*2110 Criminological Theory I W (3-0) [0.50]**

This course will examine the development of criminological theory from the late 1700's to contemporary times. In particular biological, psychological and sociological modes of inquiry in criminological theory are studied, analyzed and applied.

*Prerequisite(s):* AHSS\*1160

**AHSS\*2120 Couple and Family Dynamics W (3-0) [0.50]**

Couple and family experience is expressed in different forms of relationships including traditional heterosexual marriages, same sex partnerships, cohabitation, separated, divorced, and remarried families and parenting throughout the life cycle. Students examine both the internal dynamics in families as they change throughout the life course, and the impact of broader social, economic and cultural forces such as race, class, and ethnicity on couple and family relationship processes.



<b>AHSS*2130 Subcultures and the Media W (3-0) [0.50]</b>
Subcultures, as social groups organized around shared interests and practices, can take on many forms. The term implies that these groups differentiate themselves in opposition to mainstream culture. This course examines the many levels of resistance and appropriation that occur within the media pertaining to subcultures as outsiders and as audience. Readings, screenings and written assignments assist the student to develop a critical understanding of subcultures and the media. <i>Prerequisite(s):</i> AHSS*2010
<b>AHSS*2140 Money, Markets, and Democracy W (3-0) [0.50]</b>
This course provides an introduction to the currency, bond, and equity markets and poses the question: do these markets, on balance, negatively or positively influence the social structure, economy, and politics of nations? Students are expected to explore and evaluate whether the capital markets in their current form, serve the public interest.
<b>AHSS*2150 City Life W (3-0) [0.50]</b>
This course examines how it feels to live in cities as well as how different cities afford different experiences among their citizens. Students are expected to do a comparative analysis of different cities and to reflect on their own experience of the city.
<b>AHSS*2160 Scientific Achievements of the 20th Century W (3-0) [0.50]</b>
Throughout the twentieth century, our previous scientific understanding was supplemented by the integrative approaches of ecology, systems and complexity theory. These breakthroughs in our knowledge are explored in a manner accessible and interesting to all students, even those with minimal scientific backgrounds. Emphasis is placed on a descriptive and numerical understanding of the themes and their implications to thought, society, and our daily lives, rather than developing specific science skills.
<b>AHSS*2170 The Human Figure W (3-2) [0.50]</b>
In this course students examine the image of the body and its representation in art and fashion photography in respect to historical, socio/cultural, feminist, political, and technological issues. In addition, students will have the opportunity to explore some of the critical issues introduced in slide lectures through assigned and self-directed projects, and to engage in an ongoing dialogue and debate in group critique sessions. <i>Prerequisite(s):</i> MDST*1030, MDST*2130 <i>Restriction(s):</i> Registration in Media Studies Image Arts Specialization.
<b>AHSS*2200 Ethics and Professional Issues F (2-1) [0.50]</b>
This course examines the ethical responsibilities of and issues confronted by psychologists and psychological associates practising in a variety of professional contexts. Some issues include: professional and personal boundaries, dual relationships, confidentiality and privacy issues, conflicts of interest, psychometry and the reporting of test results, forensic assessments, trust and deception in the context of research, and scientific integrity.
<b>AHSS*3010 Leadership and Early Childhood W (3-0) [0.50]</b>
This course requires students to critically analyze the role of leadership, innovation and entrepreneurship in the early childhood sector. Students explore leadership potential, qualities, and abilities for professionals who work with children, their families, and other adults. Students examine the importance of the early years and how this understanding impacts on the changing nature of work, activities and available services. Using constructs of leadership, innovation and entrepreneurship, students create an independent business plan and complete a group project. <i>Prerequisite(s):</i> 10.00 credits <i>Co-requisite(s):</i> ECS*3040
<b>AHSS*3020 Working with Communities F (3-0) [0.50]</b>
This course assists students to develop the skills needed to achieve constructive social change through the community development and community organization processes. The course includes a critical examination of community development and community organizing theories as well as the practical applications and processes. Case studies from both the developing and developed world will be used to critically analyze how development activities can both empower or disempower communities. <i>Prerequisite(s):</i> 7.50 credits <i>Restriction(s):</i> Registration in Family and Community Social Services program.
<b>AHSS*3040 Foundations of Social Gerontology F (3-0) [0.50]</b>
Learners explore major concepts and theories in social gerontology and begin to apply them to case situations, discussing their implications for practice. Taught from an empowerment perspective, the content of this course is intended to cause course participants to begin to challenge on knowledge and ethical grounds their own assumptions as well as common practices in this field. A critical analytical approach helps students to understand the deeper structural issues, which affect the daily lives of older adults, and helps them to begin to formulate social change strategies to address these issues.

<b>AHSS*3050 Canadian Social Problems F (3-0) [0.50]</b>
Students critically examine Canadian social problems using a variety of sociological theories including Symbolic Interactionism, Conflict Theory, Feminism and Structural Functionalism. Topics studied include; poverty and inequality, crime and deviance, drugs and addictions, ethnocentrism and racism, mental and physical illness, work and unemployment and gender issues. Particular emphasis is placed on a theoretical critique of social responses to these topics. <i>Prerequisite(s):</i> 5.00 credits including: AHSS*1130 <i>Restriction(s):</i> Registration in the Bachelor of Applied Science Justice program.
<b>AHSS*3060 Criminological Theory II W (3-0) [0.50]</b>
This course builds on AHSS 2110 Criminological Theory I provides a sophisticated appreciation of contemporary criminological theory. Also examined are recent trends in criminological theory and how criminologists constitute the subject matter of their discipline. Theories are discussed in relation to recent developments in crime, social policy trends and their ideological underpinnings. <i>Prerequisite(s):</i> 5.00 credits including: AHSS*2110 <i>Restriction(s):</i> Registration in the Bachelor of Applied Science Justice program.
<b>AHSS*3080 Web Design F (3-2) [0.50]</b>
This course examines the principles of successful website design and communication. Design issues and creative solutions to web page functionality, usability and content are explored. Lectures and supervised lab sessions enable students to create their own web site portfolio. <i>Prerequisite(s):</i> MDST*2070
<b>AHSS*3200 Desire and Discontent F (3-0) [0.50]</b>
This interdisciplinary course examines the insights of philosophy, psychoanalysis, and psychology in the attempt to understand the human cycle of desire and discontent. Focusing on experiences of passion, acquisitiveness, success, and their attendant emotions of happiness, despair, guilt, hope, shame, regret and anger, this course examines the role which desire and discontent play in motivating human behaviour and shaping personality. <i>Prerequisite(s):</i> 7.50 credits
<b>AHSS*3210 Betrayal in Contemporary Fiction W (3-0) [0.50]</b>
This course examines the representation of betrayal in selected contemporary novels and short stories. Students study not only themes of betrayal in fiction but also examine, through additional readings in literary criticism, how betrayal is also a characteristic and device of contemporary narrative form. <i>Prerequisite(s):</i> 7.50 credits
<b>AHSS*3220 Law and the Media F (3-0) [0.50]</b>
This course provides a thorough introduction to the relationship between media and the laws of Canada, beginning with the origin and development of Media Law. An understanding of media/communications law and its forms and applications is necessary to ensure the success of any endeavour in media/communications, especially with the ongoing and rapid development of electronic technology. Identification of legal issues is emphasized. This knowledge, in turn, assists the student to communicate ethically and responsibly to recognizing legal issues and consequences and handling effectively and professionally. <i>Prerequisite(s):</i> 7.50 credits <i>Restriction(s):</i> Registration in the Bachelor of Applied Arts - Media Studies program.
<b>AHSS*3230 Trends in Gender Issues W (3-0) [0.50]</b>
This interdisciplinary course explores contemporary issues and theoretical approaches concerning women and gender. Through an examination of popular cultural, literary and academic sources, this course will acquaint students with the main current trends in women's studies. The philosophical tensions concerning gender equality and difference, "Third World" feminism, "Black" feminism, rights-based feminism, and post-modernism provide context for consideration of specific issues such as violence against women, prostitution, and reproductive rights. <i>Prerequisite(s):</i> 7.50 credits
<b>AHSS*3260 Psychology and the Law S,F,W (3-0) [0.50]</b>
This course will examine a number of issues related to the interaction between psychology and law. The methods, theories, and findings of social psychology, cognitive psychology, and developmental psychology as applied to legal processes will be emphasized. Included among the issues to be examined are: theories of criminal behaviour; aggression and violence; the psychological foundations of police investigations; the psychology of eyewitness testimony; the psychological impact of victimization; legal issues related to mental health; and the role of psychological factors in the trial process. (Offered through Distance Education only.) <i>Prerequisite(s):</i> 5.00 credits including: AHSS*1110

**AHSS\*4050 Youth and the Law W (3-0) [0.50]**

This course examines selected topics on young offenders in Canada and elsewhere. Topics studied include: public perceptions about youth crime and its control; the history of youth crime and legislation; the measurement of youth crime; theories of delinquency; crime among marginal youth; female offenders; the long term consequences of youthful offending; and the policing, sentencing and punishing of youth.

*Prerequisite(s):* 10.00 credits including: AHSS\*2110, SCMA\*3040

**AHSS\*4060 Law and Society W (3-0) [0.50]**

This course examines the social basis of law. Specific topics include the law as an instrument of stability or change, and the role of lawmakers, law enforcers and interpreters, including the legal profession, the police, judges and courts. Although the primary focus of this course is Canadian, there will be a comparative component particularly as it relates to theoretical perspectives. This course specifically focus on: types of law, theories of law, origins of law, social control and punishment, the legal profession, assessing the impact of the law, existing biases in the law particularly as it relates to women, and law and social change. In the Canadian context, particular attention is given to the Charter of Rights and Freedoms and its effect on law, society and policy.

*Prerequisite(s):* AHSS\*1150, AHSS\*1160, AHSS\*3060

**AHSS\*4070 Issues in Ethnicity and Class F (3-0) [0.50]**

This course provides students with an advanced theoretical and empirical understanding of social class and ethnicity in the context of Canadian society. In addition, the course encourages students to apply their knowledge to contemporary institutions.

*Prerequisite(s):* AHSS\*1200, AHSS\*3050

**AHSS\*4080 Transition to Work F,W (3-0) [0.50]**

This course examines various aspects of the transition from school to work. Changes taking place in organizations and work, and the advanced level, general skills needed by university graduates in the workplace and explored. In addition, transition issues, such as the change from the role 'student' to 'employee' or 'entrepreneur', are examined.

*Prerequisite(s):* 15.00 credits

**AHSS\*4090 Ethics and the Justice System F (3-0) [0.50]**

Students study primary sources that set out the major schools of ethical thought and moral reasoning. Various models are used to critically analyze Canadian criminal cases and social issues such as euthanasia, abortion, capital punishment and animal rights. In addition, students have the opportunity to reflect upon their own ethical reasoning and consider alternative approaches.

*Prerequisite(s):* 10.00 credit including JUST\*1030

**AHSS\*4100 Public Policy: Challenges and Prospects W (3-0) [0.50]**

This course covers dominant theories of policy making in Canada. Including governmental and non-governmental actors. Fiscal and monetary policy, aboriginal policy, and criminal justice policy are examined. The course offers a balance between gaining an awareness of the "real world" of public policy and the policy-making process and acquiring theoretical and analytical tools to understand public policy and the policy process.

*Prerequisite(s):* 10.00 credits

*Restriction(s):* Registration in the Bachelor of Applied Science - Justice Studies program.

## Business Administration

### **BADM\*1000 Introduction to Business F (3-0) [0.50]**

This course provides an overview as well as a foundation in the fundamentals of business management. The basic functions of business and management to be examined include: operations, human resources, marketing, finance, and strategic management. Small business and entrepreneurship are also studied, along with other forms of business ownership, competition within a global economy, and the political and economic realities of business in Canada today. Students will develop basic competencies in business management through assignments and case studies requiring the practice of learned theory.

### **BADM\*1010 Business Law F (3-0) [0.50]**

This course introduces students to the complex legal system in which businesses and consumers of goods and services operate. It encompasses the Canadian Constitution, statutory and common law concerning business and consumer transactions. It includes an overview of the laws of contracts and torts that form the basis of business relationships. Topics examined include sale of goods and consumer protection legislation; debtor-creditor relations; competition law; employment law; manufacturers' product liability and intellectual property rights. The emphasis in this course will be on learning the elements of the legal framework for the opportunity to develop competency in application as it applies in further courses.

### **BADM\*1020 Business Information Systems W (2-1) [0.50]**

This course focuses on managing information as a valuable business resource through examination of the role of information technology in managing operations, practising the uses of information technology to achieve competitive advantage and recognizing the effects of information technology on organization structure and workers.

### **BADM\*1030 Accounting I F (3-0) [0.50]**

Accounting systems are the universal language for business worldwide. This introductory course covers the complete accounting cycle, from the recording of transactions in journals through to the preparation of common types of financial statements used by businesses in Canada. Accounting for payroll will be addressed and students will develop a management perspective while learning how to record and summarize transactions into financial statements used by businesses to manage operations.

### **BADM\*1040 Marketing F (3-0) [0.50]**

This course provides an overview as well as a foundation for further studies of all aspects of marketing as practiced in Canada today both domestically and internationally. Product, price, promotion and distribution frameworks are examined both as separate and integrated subsets of the marketing mix within strategies oriented toward satisfying consumer wants and needs to achieve organizational objectives.

### **BADM\*1060 Accounting II W (3-0) [0.50]**

This course builds on the concepts and techniques taught in the introductory Accounting course. The student will develop an understanding of the use of alternatives for inventory evaluations and other tangible assets and intangible asset evaluation systems. This management perspective is emphasized in developing competencies in the reporting and interpretation of liabilities, investments, bonds and owners equity. The student will complete a set of books and accounting records for a small business utilizing computerized accounting systems.

*Prerequisite(s):* BADM\*1030

*Restriction(s):* Registration in the Bachelor of Business Administration program.

### **BADM\*2000 Human Resources Management F (3-0) [0.50]**

The Human Resources Management course provides an overall understanding of the human resources function and its effects on the achievement of organizational goals and strategic objectives. Drawing on organization behaviour theories such as planned change, performance enhancement, goal setting, group dynamics and motivation the course examines essential human resources activities of planning, staffing, employee development, legal compliance, performance management, compensation and employee maintenance in a variety of organizational settings.

*Restriction(s):* Registration in the Bachelor of Business Administration program.

### **BADM\*2010 Managerial Accounting F (3-0) [0.50]**

The Managerial Accounting course builds on the concepts and techniques taught in Accounting II. It focuses on the uses of financial information for profit planning, budgeting and decision-making. It examines how volume, price, product mix, product costs and organizational activities relate to one another, the inter-dependence of the financial and capital structures and the setting of corporate objectives and priorities. The student will learn how to project financial results and use feedback mechanisms comparing actual results to predetermined standards.

*Prerequisite(s):* BADM\*1060

*Restriction(s):* Registration in the Bachelor of Business Administration program.

### **BADM\*2020 Consumer Behaviour F (3-0) [0.50]**

Consumer Behaviour provides an overall examination of the economic, social, cultural and psychological factors that affect consumers in the marketplace. The course examines the consumer from two perspectives – first, the effects of internal forces on an individual including perceptions, motivations, lifestyles and attitudes, then second, the effects of external factors as a group member considering family and group influences, including age, gender, social class, social, religious, regional, household and other sub-cultural and cultural influences.

*Prerequisite(s):* BADM\*1040

*Restriction(s):* Registration in the Bachelor of Business Administration program.

### **BADM\*2030 Advertising in Business W (3-0) [0.50]**

This course provides an overall introduction to the function of advertising in business. The course examines the advertising process, its role, use, methods, purposes and limitations in addressing the strategic objectives of organizations domestically and internationally. The role and responsibilities of client management and agencies are discussed with focus on the development of ethical and socially responsible advertising programs. A major assignment requires the student to demonstrate competency in the use of the Integrated Management Communications model through analysis and evaluation of an actual advertising program.

*Prerequisite(s):* BADM\*1040, BADM\*2020

*Restriction(s):* Registration in the Bachelor of Business Administration program.

### **BADM\*2040 Customer Service W (3-0) [0.50]**

This course examines customer service as a key factor in the success of organizations and identifies the essential knowledge, skills and systems required to support effective customer service. Theoretical models will be contrasted with applications and students will complete a major project designed to evaluate customer service potential and issues in a specific organizational context.

*Prerequisite(s):* BADM\*1040, BADM\*2020

*Restriction(s):* Registration in the Bachelor of Business Administration program.

### **BADM\*2050 Ethics and Values in Business W (3-0) [0.50]**

This course examines the ethical and evaluative issues in business and professional activities and practices through case studies and assignments. It explores the nature of values and ethical systems, duties and rights, private and public goods, the consumer movement, social marketing, corporate social accounting, private rights and professional ethics and responsibilities.

*Prerequisite(s):* AHSS\*1000, BADM\*1040

*Restriction(s):* Registration in the Bachelor of Business Administration program.

### **BADM\*2060 Business Logistics W (3-0) [0.50]**

This course focuses on the decision-making role of the operations manager in transforming organizational inputs into desired outputs. The major issues and problems of designing, scheduling, operating and controlling the production system are examined. Field trips to examine logistics and supply chain systems are an integral part of this course.

*Prerequisite(s):* BADM\*1000, SCMA\*2000

*Restriction(s):* Registration in the Bachelor of Business Administration program.

### **BADM\*3000 Finance F (3-0) [0.50]**

This course provides students with a framework to aid with financial decision-making. The major focus of this course is short-term financial management. Using problems and case studies, students analyze financial statements and assess cash flow. Other topics addressed include financial forecasting and planning, working capital management, the time value of money and the valuation of bonds and shares.

*Prerequisite(s):* BADM\*2010

### **BADM\*3030 Direct Marketing W (3-0) [0.50]**

Students examine the increasingly important interactive marketing communication, a method that includes techniques such as direct mail and telemarketing. Students will study about the power of direct marketing and its role, advantages and limitations in a marketing program. The concepts of database management and customer relationship management (CRM) will be stressed since direct marketing is increasingly tied to recognizing the value and benefits of knowing individual customers and building long-term relationships with them.

*Prerequisite(s):* BADM\*1040, BADM\*2020

### **BADM\*3040 International Finance W (3-0) [0.50]**

This course examines the activities and financial needs of businesses working in international markets. Topics include global investments, international acquisitions, risk management, currency fluctuations and investments, the development of emerging stock markets, and the role of international financial markets in financing international corporations.

*Prerequisite(s):* 10.00 credits including: AHSS\*1000, AHSS\*1010, BADM\*3000, BADM\*3060

<b>BADM*3060 International Law F (3-0) [0.50]</b>
This course examines international business agreements and conduct, dispute resolution, the international sale of goods, and insurance issues. Emphasis is placed on legal issues pertinent to U.S. and Canadian Law. <i>Prerequisite(s):</i> 7.50 credits including: BADM*1010
<b>BADM*3070 Sales Promotion &amp; Relationship Marketing W (3-0) [0.50]</b>
Students examine sales promotion and relationship marketing using a well-established marketing communication method. This method is typically used to generate an immediate increase in sales and often supplements advertising, direct marketing, and personal selling in order to hasten their sales impact. This course will focus on the most commonly used consumer and trade sales promotion techniques, and their roles, advantages and limitations in a marketing program. <i>Prerequisite(s):</i> BADM*1040, BADM*2020
<b>BADM*3080 Professional Selling F (3-0) [0.50]</b>
This course details strategic selling principles and models. Students develop skills required for planning and making sales calls, and providing follow-up to clients. The course covers prospecting, conducting sales meetings, making sales presentations and negotiating. Emphasis is on developing confidence and professionalism in the selling interaction and enhancing communications, listening, team participation and problem solving skills. <i>Prerequisite(s):</i> BADM*1010, BADM*1040
<b>BADM*3090 Money, Banking &amp; Finance W (3-0) [0.50]</b>
This course provides students with an understanding of the nature, operation and regulation of the Canadian financial system and its major components: the payments system, financial markets, key financial institutions, especially banks, and the Bank of Canada. Students examine about the development role and influence of Canadian banking institutions on the Canadian economy. This course also covers the supply of money and credit, domestic and international flows of funds, interest rates, foreign exchange rates, the rate of inflation, employment, and the production of goods and services. <i>Prerequisite(s):</i> BADM*1010, BADM*3000
<b>BADM*3110 Entrepreneurial Studies F (3-0) [0.50]</b>
This course examines the role and effect of small business in Canada, and serves as an introduction to self-employment, new venture creation and small business management. It focuses on an analysis of entrepreneurial skills and the development of the business plan. This course helps students appreciate the challenges involved in deciding to create a new venture and the steps involved in starting a new firm. <i>Prerequisite(s):</i> BADM*1000, BADM*1010, BADM*1030, BADM*1060, BADM*2030, BADM*2040
<b>BADM*3120 Intermediate Accounting I W (3-2) [0.50]</b>
This course provides a greater awareness of the accounting environment and conceptual framework for financial reporting that underlies generally accepted accounting principles, as well as an appreciation of the characteristics and limitations of accounting. Special emphasis is placed on accounting policy choices and the criteria by which such choices are made, as well as on analyzing financial statements that are prepared using different accounting policies. Students examine in-depth the effects of accounting concepts on income determination and on asset, liability and shareholders' equity valuation. Through problem solving and case analysis, students use technical knowledge to evaluate accounting policy choices, select appropriate policies, apply correct procedures, and perform financial analysis. <i>Prerequisite(s):</i> BADM*1060, BADM*2010
<b>BADM*3130 Intermediate Accounting II W (3-0) [0.50]</b>
This course continues and builds upon the study of financial accounting begun in Intermediate Accounting I. Using cases and problems, students critically evaluate accounting concepts, principles and practices, extending their knowledge, understanding and analytical skills through an in-depth examination of complex measurement issues and financial statement reporting in Canada. <i>Prerequisite(s):</i> BADM*3120
<b>BADM*3140 International Trade W (3-0) [0.50]</b>
The ways in which a business enters new markets across borders, and the paradigms under which they operate and make decisions are critical to the potential success of the venture. This course surveys and assesses international trade theories and compares and contrasts these with actual practices of global business operations. Discussion of ethical issues is inherent within this course. <i>Prerequisite(s):</i> 10.00 credits including: AHSS*1000, AHSS*1010, BADM*3000, BADM*3060

<b>BADM*3150 Managerial Accounting II F (3-0) [0.50]</b>
This course emphasizes the use of accounting information in effective management. Students study the reports, statements and analytical tools used by management, and the manner in which they are applied in planning, controlling, decision-making and performance evaluation from the perspective of the ethical management accountant. Topics include capital investment analysis, an examination of uses and limitations of quantitative techniques, and the behavioural implications of internal financial systems. Costing systems and accumulation methods are emphasized. <i>Prerequisite(s):</i> BADM*2010, SCMA*1000
<b>BADM*3160 Corporate Finance W (3-0) [0.50]</b>
This course focuses on long-term corporate decisions. Topics include asset pricing, risk and return, capital asset pricing under uncertainty, the concept of efficient markets, an introduction to investing, and portfolio management. The course covers corporate decisions, including dividend policies, capital budgeting, and long-term financing and investing. Business valuation by firms and individuals is covered in the context of the investment decision. <i>Prerequisite(s):</i> SCMA*2000 <i>Co-requisite(s):</i> BADM*3000
<b>BADM*4000 Business Policy F (3-0) [0.50]</b>
In this course, students develop the ability to understand and apply strategic management concepts and tools to multiple organizations, in a variety of domestic and international contexts. The course uses a combination of lectures, electronic teaching technologies, case discussions and a group project to ensure that students develop both verbal and written abilities in strategic management. <i>Prerequisite(s):</i> 15.00 credits
<b>BADM*4030 Applied Business Project W (1-8) [0.50]</b>
In this course, students relate the knowledge and skills acquired through their course work in earlier semesters by participating in the workplace for a minimum of 100 hours. Students are required to evaluate both the employment element of their role and the application of business theories to the workplace through a series of assignments. An essential part of the course is for students to engage in the career development process and to direct their own learning. <i>Prerequisite(s):</i> 15.00 credits
<b>BADM*4040 E-Commerce W (3-0) [0.50]</b>
Students in this course analyze current business models developed for the Internet, and the characteristics of business to business and retail e-commerce sites. A variety of design and technology issues are explored, including servers and credit security. Students design the storefront for a proposed b2b or retail site, as well as implement site traffic analysis and community building strategies. Also offered through distance education format. <i>Prerequisite(s):</i> 10.00 credits including: BADM*1020, BADM*1040
<b>BADM*4050 Marketing Research Project F (3-0) [0.50]</b>
In this project-based course, students work in groups and identify, develop and complete an applied marketing research activity. Topics include marketing research process, research ethics, sampling design and design of survey instruments, execution of interrelated qualitative and quantitative research projects, and report writing. <i>Prerequisite(s):</i> 10.00 credits including: BADM*1040, SCMA*3010
<b>BADM*4060 Investment Finance F (3-0) [0.50]</b>
This course focuses on the operation of the stock market and the determination of security prices. Using current literature, problems, real world examples and a model stock portfolio, students examine the art and science needed to manage equity portfolios and critically evaluate their resulting performance. Topics studied include recent developments in portfolio theory, the principles needed for analysing common stock prices, portfolio management, evaluation of portfolio performance, and international investing. <i>Prerequisite(s):</i> BADM*3160, SCMA*1000
<b>BADM*4070 Personal Financial Planning F (3-0) [0.50]</b>
This course develops the knowledge and skills necessary to provide sound financial planning advice. This course also develops financial judgement, decision making and communication skills. The emphasis in this course is on personal investing. Simulations and case analysis are used extensively in this course. Offered through distance education format only. <i>Prerequisite(s):</i> BADM*3000
<b>BADM*4080 Insurance &amp; Risk Management W (3-0) [0.50]</b>
This course examines the fundamentals of risk management and the insurance industry in Canada. It includes a detailed examination of the variety of insurance products available to both businesses and individual consumers. Factors affecting pricing and distribution of products are studied. <i>Prerequisite(s):</i> 10.00 credits

<b>BADM*4090 Portfolio Management W (3-0) [0.50]</b>
This course builds on BADM*3160 Corporate Finance and BADM*4060 Investment Finance. Topics include the CFA Institute standardised portfolio management process, the formation of capital market expectations, the concept of efficient markets, and the concept of portfolio diversification. Also, the concept of portfolio rebalancing, and portfolio performance evaluation with the CFA Institute's Global Investment Performance Standards are studied. The course includes an analysis of mutual fund performance.
<i>Prerequisite(s):</i> BADM*3160, BADM*4060
<b>BADM*4100 Small Business Management F (3-0) [0.50]</b>
In this course, students study concepts specific to small business management and their application through analysis of an independent small business. In addition, case studies are discussed and evaluated. The goal of the course is to provide students with a realistic view of owning and operating a business as well as the experience of applying theory to practical applications.
<i>Prerequisite(s):</i> BADM*3110
<b>BADM*4110 Planning a Small Business W (3-0) [0.50]</b>
This course builds on the BADM*3110 Entrepreneurial Studies course. Students are required to research and prepare a business plan for a new small business of the students' choice (subject to approval). The goal of the course is to give students a practical understanding of the process of creating a feasible business plan. The application of creative thinking skills is an integral component of this course.
<i>Prerequisite(s):</i> BADM*3110
<b>BADM*4120 Business Consulting W (3-0) [0.50]</b>
This course helps students develop the skills needed to build and maintain a consulting business. Topics covered include presenting and promoting a consulting business to prospective clients, the bid process and pricing proposals, managing time and billing, the role of consultants as change agents and managing consulting staff.
<i>Prerequisite(s):</i> 10.00 credits including BADM*1000
<b>BADM*4130 Board, Community &amp; Govt. Relations F (3-0) [0.50]</b>
This course provides an analysis of the various not-for-profit enterprises in Canada and internationally. Topics include governance models, organizational structures, funding, membership, participation, and goals and purposes. Working in groups, students will be required to complete an in-depth analysis of a not-for-profit enterprise.
<i>Prerequisite(s):</i> AHSS*1030, BADM*1010, BADM*2050
<b>BADM*4140 Event Management I F,W (2-2) [0.50]</b>
Working in groups, students develop, implement, manage and evaluate a major special event activity. Examples of potential activities include a conference, a cultural program such as an art show or musical series, a fair or exhibition, or a publishing venture. This course includes a comprehensive study of academic and applied literature specific to event management. This is a two-semester course. A grade will not be assigned for BADM*4140 until BADM*4160 has been completed.
<i>Prerequisite(s):</i> BADM*1010, BADM*2030
<b>BADM*4150 Fundraising W (3-0) [0.50]</b>
This course examines the evolution of the Canadian philanthropic environment, and considers specific marketing, communications and proposal strategies for fundraising. Topics include annual giving, major gifts, capital campaigns, and project management specifically as it relates to fundraising. Case studies on actual campaigns are reviewed, and students are required to develop a detailed fundraising initiative in the form of a campaign outline or a foundation proposal.
<i>Prerequisite(s):</i> BADM*1010, BADM*1040, BADM*2020, BADM*2030, BADM*3030
<b>BADM*4160 Event Management II F,W (2-2) [0.50]</b>
Working in groups, students develop, implement, manage and evaluate a major special event activity. Examples of potential activities include a conference, a cultural program such as an art show or musical series, a fair or exhibition, or a publishing venture. This course includes a comprehensive study of academic and applied literature specific to event management. This is a two-semester course. A grade will not be assigned for BADM*4140 until BADM*4160 has been completed.
<i>Prerequisite(s):</i> BADM*1010, BADM*2030
<b>BADM*4170 Asia Pacific - Regional W (3-0) [0.50]</b>
This course is designed to provide knowledge of the Asia Pacific region as it relates to business. A wide variety of issues ranging from general (consumer and business environment) to specific business and marketing strategies are covered. Students are provided with conceptual and practical knowledge related to conducting business in and with Asia.
<i>Prerequisite(s):</i> BADM*3040, BADM*3060, BADM*3140, BADM*4140

<b>BADM*4180 Latin America - Regional W (3-0) [0.50]</b>
This course focuses on the important elements related to the recent economic evolution of Latin America at the macro-economic level, and also in terms of specific marketing issues such as consumer behaviour, competitive landscape, technology trends and infrastructure. Students develop a marketing plan from Canada to a specific country in the region, taking into consideration market trends, cultural and economic factors. Students are provided with practical knowledge related to conducting business in Latin America.
<i>Prerequisite(s):</i> BADM*3040, BADM*3060, BADM*3140
<b>BADM*4190 Europe - Regional F-W (3-0) [0.50]</b>
This course examines the cultural environment of Europe with a focus on the socio-political implications of the European integration and emerging markets for business opportunities in the region. The course includes case study analysis, market research and guest speakers. Students are provided with practical knowledge related to conducting business in Europe.
<i>Prerequisite(s):</i> BADM*3040, BADM*3060, BADM*3140
<b>BADM*4200 Project Management F (3-1) [0.50]</b>
This course combines theory and practice to teach the skills and knowledge required to plan, implement and document projects. Topics include planning the project, describing the project charter, identifying goals, phases and milestones, determining work breakdown structures, and documenting procedures. This course will employ project management software.
<i>Prerequisite(s):</i> 15.00 credits including: BADM*2060
<b>BADM*4210 Advanced Financial Accounting F (3-0) [0.50]</b>
Students expand their knowledge of specialized accounting topics by studying accounting theory, principles and practice for corporations, business combinations, international activities, and other advanced topics. Integration of prerequisite accounting knowledge is emphasized, therefore cases and problems used include multiple topics and issues.
<i>Prerequisite(s):</i> BADM*3130
<b>BADM*4220 Taxation I F (3-1) [0.50]</b>
Upon completion of this course, students have a basic understanding of the purpose and structure of the Canadian tax system, and its administration, along with related international application. Using problems, cases and tax preparation software, students apply basic knowledge and understanding of the principles and practices of income and commodity taxation for individuals and corporations. One of the major aims of this course is to ensure that the student achieves an understanding of the principles and concepts of the Canadian Income Tax Act, as commonly encountered by most professional accountants.
<i>Prerequisite(s):</i> BADM*3120, BADM*3130
<b>BADM*4230 Taxation II W (3-1) [0.50]</b>
This course builds on the knowledge of Canadian taxation that students acquired in Taxation I. In this course, students develop skills in tax planning involving individuals, corporations, trusts, estates and partnerships. This course also covers the planning of corporate reorganizations and the integration of tax concepts between corporations and their shareholders. Using problems, cases and tax planning software, students apply knowledge and understanding of taxation principles and practices.
<i>Prerequisite(s):</i> BADM*4220
<b>BADM*4240 Auditing I W (3-1) [0.50]</b>
Students study the basic principles, theories and techniques of external and internal auditing and management control systems. Upon completion of this course, students understand the auditor's professional responsibilities, the rules of conduct and ethics, the objectives of assurance and other professional engagements, and management control systems. Using cases, problems and computer software, students develop and execute audit strategies, including identifying risks, gathering audit evidence, and documenting and reporting findings.
<i>Prerequisite(s):</i> BADM*3130, SCMA*1000
<b>BADM*4250 Accounting Theory W (3-0) [0.50]</b>
This course examines various conceptual and theoretical approaches to accounting, including the implications of economics and finance on financial reporting. Focusing on current and/or controversial issues as well as contemporary cases, students examine the appropriateness of current accounting policies and practices in light of conceptual considerations. Research, analytical, writing, presentation and group skills are demonstrated through preparation of research papers and contribution to group discussions and presentations.
<i>Prerequisite(s):</i> BADM*4210

**BADM\*4260 Auditing II F (3-1) [0.50]**

Students continue to develop the knowledge, understanding and analytical skills with respect to auditing and control systems established in Auditing I, such that they are able to identify risks, as well as evaluate and verify controls that address the risks identified. Students apply generally accepted auditing standards by developing strategies and performing procedures in the development of an audit file, using audit and file preparation software. The course also addresses other professional services provided by the accounting profession.

*Prerequisite(s):* BADM\*4240

**BADM\*4270 Auditing III W (3-0) [0.50]**

In this course, students build on their understanding of auditing by examining the changing role of the auditor in today's society. Using current literature, cases, and problems students examine current issues facing auditors. As well, specific advanced audit topics are studied (such as comprehensive auditing, public sector auditing, environmental auditing, forensic auditing, and special engagements).

*Prerequisite(s):* BADM\*4220, BADM\*4250, BADM\*4260

**BADM\*4280 Advanced Managerial Accounting W (3-0) [0.50]**

This course focuses on the theory and practice of the design and administration of management planning and control systems. System design and control in large organizations is emphasized. Theory and research literature are reviewed and cases of actual company systems are used to emphasize management and organization theory and their use in performance management systems in for profit, not-for-profit and government environments.

*Prerequisite(s):* BADM\*3150, BADM\*4000

**BADM\*4340 Leadership in Business W (3-0) [0.50]**

In this course, students will examine a number of theories pertaining to leadership as well as describe and evaluate specific leadership styles. Through guest lecturers and case studies, students will appreciate and analyze different perspectives on how leadership is evolving in a variety of large, small, private, not-for-profit and public organizations within Canada and internationally.

*Prerequisite(s):* 15.00 credits, AHSS\*1030, BADM\*2050

**BADM\*4360 Negotiation in Business W (3-0) [0.50]**

This course provides students with a critical appreciation for various negotiation styles and tactics, an understanding of their own approaches to negotiation, and an opportunity to try a variety of techniques and methods in order to develop and hone negotiation styles. This course combines a theoretical framework with practical applications. An analysis of ethics as applied to negotiations is ongoing throughout the course.

*Prerequisite(s):* 10.00 credits, BADM\*1000

**BADM\*4900 Independent Study in Business Administration S,F,W (3-0) [0.50]**

The independent study course is designed to provide senior undergraduate students with an opportunity to pursue library or field research under faculty supervision and to prepare a research report or literature review. Formal agreement between the student and the faculty supervisor is required, as is approval of the program head.

*Prerequisite(s):* 15.00 credits and 75% grade point average.

*Restriction(s):* Instructor consent required.

## Distributed Computing

<b>DCCT*1000 Electronics Fundamentals F (3-2) [0.50]</b>
This course introduces concepts of electricity and electronics: the fundamental laws of DC and AC circuits with emphasis on telecommunication applications; DC electronics (Ohm's law through the analysis of series and parallel circuits); AC electronics, particularly application of sine wave in communication circuits. Network theorems will be applied to calculate currents and voltages in complex electrical circuits. The concept of inductive and capacitive reactance is introduced. The effects of resonance and coupling on transmission lines are studied. Transformer principles and simple first order passive filter design are presented.
<i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program.
<b>DCCT*1010 Semiconductor Electronics W (3-2) [0.50]</b>
This course will provide the theoretical base required to study semiconductor electronics devices and their roles in the construction of communication equipment. Devices and topics studied will include diodes, transistors and integrated circuit OP-AMPS, rectifiers, amplifiers, and analog OP-AMP circuits, amplifier frequency response to understand bandwidth as it relates to transmission capacity. The course concludes with a study of active filters, and linear and switching regulators.
<i>Prerequisite(s):</i> DCCT*1000, DCCT*1030, SCMA*1010
<i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program.
<b>DCCT*1020 Computer Programming I F (3-3) [0.50]</b>
This is a technically intensive introduction to programming and problem solving concepts. Control and basic data structures, organizational approaches, and basic algorithms are introduced.
<i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program.
<b>DCCT*1030 Telecommunications Computations F (3-1) [0.50]</b>
This course will provide key elements of the mathematical background to understand modern computing science and telecommunications system. Topics covered include: basic electronics algebraic calculations; matrices and determinants, systems of linear equation; graphs and graph representations of networks, graph calculations: spanning trees and shortest paths; sets and relations. Students will be required to make extensive use of mathematical software and symbolic algebraic packages.
<i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program.
<b>DCCT*1050 Anatomy of a PC W (2-3) [0.50]</b>
The course will explore the origins, historical development, important milestones and economics of the modern electronic computer and communications systems. Students will build a working personal computer from components and install the most common personal computer (PC) operating systems, thereby gaining an intimate understanding of the modern PC.
<i>Prerequisite(s):</i> 2.50 credits
<i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program.
<b>DCCT*1060 Digital System Fundamentals W (3-3) [0.50]</b>
This is an introductory course in digital systems, as such; some basic concepts will be introduced. Topics will include: number systems, Boolean algebra and the simplification of Boolean expressions, switches, logic gates, analysis and design of combinational logic, encoders/decoders, multiplexing and de-multiplexing, flip-flops, clocked sequential circuits, arithmetic circuits, finite state machines and programmable gate arrays, analog and digital (ADC) converters and digital and analog (DAC) converters, computer structure, machine language programming, timing, peripheral interface programming with interrupts and basic protocols.
<i>Prerequisite(s):</i> DCCT*1000, DCCT*1030
<i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program.
<b>DCCT*1070 Computer Programming II W (3-2) [0.50]</b>
This course is a sequel to DCCT*1020. This course reinforces structured programming concepts using a general purpose procedural language. Topics include string processing, record manipulation in memory and on disk, static and dynamic data structures, recursion and pointers. Fundamental algorithms are introduced for sorting, searching, text processing and other important tasks.
<i>Prerequisite(s):</i> DCCT*1020

<b>DCCT*2000 Computer Programming III F (2-3) [0.50]</b>
Computer Programming III and Computer Programming IV are highly technical advanced programming courses to equip students in the DCCT program to develop advanced software applications in later courses. Tools and programming languages are subject to change over time. With advanced HTML, the Java™ programming language and Javascript™ as the current tools, highly complex user-centred concepts of programming for the World-Wide Web are explored in detail: advanced web programming (including animation); Applets™ and graphics; event models; interactive programming; threads.
<i>Prerequisite(s):</i> 5.00 credits
<i>Co-requisite(s):</i> DCCT*2030
<i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program.
<b>DCCT*2010 Principles of Telecommunications F (3-2) [0.50]</b>
This course provides the technical background and material needed in the field of Telecommunications. Fundamental principles of Telecommunications will be covered and hands-on techniques will be used to acquire skills needed to analyze and troubleshoot modern communications links. Topics covered include-physical layer interfaces, PC serial port operation and interrupts, Digital network, noise and error analysis, data link layer, LANS and multimedia transmission.
<i>Prerequisite(s):</i> DCCT*1010, DCCT*1060
<i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program.
<b>DCCT*2020 Communication Systems F (3-2) [0.50]</b>
This course is an introduction to modern analog and digital communication systems. Analog and digital signals. The radio frequency spectrum. Radio frequency transmission and reception. Component to system level analysis of fundamental RF building blocks. The super-heterodyne receiver including mixers, oscillators, phase locked loops and IF filters. Spectral analysis, bandwidth, distortion and modulation. Line coding, symbol rate and multiplexing. Regulatory and technology issues.
<i>Prerequisite(s):</i> DCCT*1010, DCCT*1030, DCCT*1060, SCMA*1020
<i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program.
<b>DCCT*2030 Computer Programming IV F (2-3) [0.50]</b>
Computer Programming III and Computer Programming IV are highly technical advanced programming courses to equip students in the DCCT program to develop advanced software applications in later courses. Tools and programming languages are subject to change over time. With SQL™, the Java™ programming language and Javascript™ as the current tools, data-centred concepts of programming are explored in detail: SQL and SQL access to a database; Java™ and JDBC database access; basics of web software connectivity, client / server concepts; applet / server and browser / servlet connection; introduction to data structures and hierarchies.
<i>Prerequisite(s):</i> 5.00 credits
<i>Co-requisite(s):</i> DCCT*2000
<i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program.
<b>DCCT*2040 Data Structures and Algorithms W (2-3) [0.50]</b>
Advanced data structures are examined: their representation in both a high-level programming language and as abstractions; analysis of algorithms, comparative performance, and complexity. Structures include trees, graphs, hash tables, sets, object-oriented hierarchies and their associated methods, and templates.
<i>Prerequisite(s):</i> 5.00 credits including: DCCT*2000, DCCT*2030
<b>DCCT*3000 Data Networks W (3-2) [0.50]</b>
This course focuses on Local Area Network (LAN) interconnection technologies used to form larger Wide Area Network (WAN) networks with emphasis on Internet Applications. Topics covered include Network layers, Switching technologies, TCP/IP protocol Suite, Client/Server programming using socket API, IP routing, ICMP, UDP and application layer protocols such as HTTP, FTP, internet mail, DNS and SNMP.
<i>Prerequisite(s):</i> DCCT*2010
<i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program.
<b>DCCT*3010 Electro-magnetics W (3-2) [0.50]</b>
This course introduces elementary field theory, derivation of transmission line equations and practical applications of principles describing electromagnetic waves in guiding media. The Smith chart is used to evaluate transmission line performance and used to design matching networks such as single and double stub tuners. Selection of RF connectors and transmission lines for various applications is studied. Microwave components are studied. Poynting's theorem is studied and used in distant E/M field calculations from an RF source. A variety of antenna structures are studied in order to evaluate patterns, down tilt, gain, beam-width, input impedance and efficiency. Inter-modulation distortion (IMD) is measured. Propagation of plane waves, path loss and link budgets are studied in order to predict system performance. Antenna structures are designed, simulated, and tested in the anechoic chamber.
<i>Prerequisite(s):</i> DCCT*1000, DCCT*1020, DCCT*2020, SCMA*1020
<i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program.

**DCCT\*3020 Operating Systems W (3-1) [0.50]**

A theory and practice approach is taken to study computer operating systems in this course. Students examine: basic components, subsystems and system processes, scheduling and resource allocation, process management, multi-programming, multi-tasking, input and output control and file systems, as well as mechanisms for client-server computing. Examples are taken from contemporary operating systems.

*Prerequisite(s):* DCCT\*2040

*Restriction(s):* Registration in the Bachelor of Applied Computing program.

**DCCT\*3030 Distributed Programming I W (3-0) [0.50]**

Students build a substantial client-server application experiencing all aspects of the software development life cycle in this "large project" based course. Topics include all aspects (except budgeting) of systems development using intellectual resources and tools developed for project management and systems building, software engineering, requirements elicitation, analysis, design, implementation, testing, deployment and maintenance. Skills are developed in collaboration with project management and delivery. Multi-computer (distributed) applications systems are an essential component of project undertaken.

*Prerequisite(s):* 7.50 credits

*Restriction(s):* Registration in the Bachelor of Applied Computing program.

**DCCT\*3040 Digital Signal Processing (DSP) W (3-2) [0.50]**

This course reviews sampling theory and quantization; signal aliasing; discrete time systems; Fourier series; z-transforms; Fourier Transforms; digital filters; convolution and correlation; digital system processing architecture; system simulation and various software applications. Applications to communications systems include: vocoding, equalization, data compression, data scrambling and echo cancellation.

*Prerequisite(s):* DCCT\*1020, DCCT\*1030, SCMA\*3000

**DCCT\*3050 Fibre Optic Communication W (3-2) [0.50]**

This course examines the nature of light, including a study of the propagation of light as an electromagnetic wave and optical wave-guide. Students analyze the effects of dispersion and attenuation on transmission capacity, data rate and distance limitations. Analysis and interpretation of technical Specs and design parameters of commercially available light sources and optical detectors are also studied in addition to various fiber optic cable assemblies, connectors, splicing techniques and OTDR measurement principles. Design and planning of Fiber optic communication Networks for LAN and WAN applications are utilized with particular emphasis on calculating Dispersion and Power budgets.

*Prerequisite(s):* DCCT\*2010, DCCT\*2020, DCCT\*2040

**DCCT\*3060 Database Systems and Application Concepts S (3-1) [0.50]**

Students study advanced topics in database modelling, design, query processing and optimization for various database models and architectures. Advanced topics include database security and integrity, transaction management, concurrency control and recovery systems. Database management system examples of particular structured query languages and well-known database implementations will be used in case studies.

*Prerequisite(s):* DCCT\*2040, DCCT\*3020

*Restriction(s):* Registration in the Bachelor of Applied Computing program.

**DCCT\*3070 Systems and Network Simulation S (3-1) [0.50]**

Students are introduced to the concepts of simulation and performance analysis of computers using an object oriented programming language. Concepts include: simulation model classification, continuous and discrete simulation, process and transaction oriented systems. Also presented are techniques for simulation and optimization of the basic computing system components such as subsystems and system processes: scheduling and resource allocation, process management, multi-programming, multi-tasking; input/output control and file management strategies, performance analysis and improvement mechanisms for network and distributed computing.

*Prerequisite(s):* DCCT\*3020, SCMA\*3000

*Restriction(s):* Registration in the Bachelor of Applied Computing program.

**DCCT\*3080 Wireless Data Networks S (3-2) [0.50]**

The course examines the infrastructures, System components, frame structures and protocols of a wide range of Wireless Networking Technologies. Also studied are The Bluetooth, Digital Audio Broadcast (DAB) and IMT2000 including IEEE 802.11x and follow-on technology as they develop. The course concludes with a discussion of Wireless Broadband Technologies.

*Prerequisite(s):* DCCT\*1030, DCCT\*2020, DCCT\*3000

*Co-requisite(s):* DCCT\*3090

**DCCT\*3090 Cellular Technology S (3-2) [0.50]**

This course offers an in-depth look at cellular technology, from its earliest inceptions, to the latest 3G systems currently being developed and deployed. Cellular system infrastructure, cell coverage area, cell capacity, frequency reuse, cell splitting, multiple access techniques, channel allocation, AMPS, GSM, and CDMA are just a few topics that will be studied. Students will also have an opportunity to research the latest technologies that are being implemented by major players in the cellular industry.

*Prerequisite(s):* DCCT\*2020, DCCT\*3000, DCCT\*3010

*Restriction(s):* Registration in the Bachelor of Applied Computing program.

**DCCT\*4010 Computer Telephony Integration F (3-2) [0.50]**

This course examines aspects of linking telephone systems and today's computer systems. This process involves an introduction to the components that make up today's telephone system including voice mail, call distribution, switch programming, and telephone feature management.

*Prerequisite(s):* DCCT\*2010, DCCT\*3000

**DCCT\*4020 Broadband Communications W (3-2) [0.50]**

This course examines the Architecture, Protocols, Frame structures, control messages, and frame transmission techniques employed in modern high speed Networks. The practical, commercially available broadband equipment and products of leading broadband equipment manufacturers will be studied with reference to their current deployment. The focus of the course is to combine the practical hands-on training in configuring, programming, testing and troubleshooting of practical broadband equipment with the solution oriented engineering insight for business and corporate applications. The course concludes with a comparison of current base technologies with the Next Generation Networking.

*Prerequisite(s):* DCCT\*2010, DCCT\*2020, DCCT\*2040

**DCCT\*4030 Personal Communications Systems F (3-2) [0.50]**

Students study the principles behind digital modulation techniques used in modern voice and data communications systems. The latest cellular PCS systems are studied. Next-Generation systems are discussed.

*Prerequisite(s):* DCCT\*2010, DCCT\*3090

**DCCT\*4040 Telephone Switch Technology S (3-2) [0.50]**

This course covers the digital telephone systems, digital transmission, multiplexing, H.323 Multimedia system, Session Initiation Protocol (SIP), Real Time Protocol (RTP) and Real Time Control Protocol (RTCP), Quality of Service (QoS), SS7 Connectionless Packet switching protocol, and Network protocols that deal with voice over internet protocol (VoIP) combining in a seamless manner, in addition to the concepts from the voice switching world and the data world of the Internet. This course starts from switches of type manual, step by step strowger electro-mechanical, crossbar, electronic central office switches to the latest VoIP implementations currently being developed and deployed. Students will also have an opportunity to research the latest telephone switch technologies that are being implemented in the telecommunication industry.

*Prerequisite(s):* 15.00 credits

**DCCT\*4050 Wireless Service Technology S,F,W (3-2) [0.50]**

Wireless Service Technology is a hands-on course in which the student will study modern two-way VHF or UHF mobile communication system. Specifically, the students will learn to test the individual elements of a mobile communication system, such as antennae, transmission lines, duplexes, filters, isolators, transceivers, and other equipment. Also, the student will learn to setup and support a complete mobile communication system.

*Prerequisite(s):* DCCT\*2020, DCCT\*3010, DCCT\*3090

*Restriction(s):* Registration in the Bachelor of Applied Computing program.

**DCCT\*4060 Independent Study in Telecommunications S,F,W (3-0) [0.50]**

The independent study course is designed to provide senior undergraduate students with an opportunity to pursue library, field research or project under faculty supervision and to prepare a research report of literature review. Formal agreement between the student and the faculty supervisor is required, as is approval of the program head.

*Prerequisite(s):* 15.00 credits

*Restriction(s):* Instructor consent required.

**DCCT\*4070 Advanced Information System Architectures F (3-2) [0.50]**

This course examines advanced topics in parallel and distributed information systems. For example some topics presented may include: P2P (peer to peer) architectures, evolution of distributed middleware and grid computing. Topic list will evolve, based on new distributed and parallel computing paradigms.

*Prerequisite(s):* DCCT\*3070, DCCT\*4130, DCCT\*4140

*Restriction(s):* Registration in the Bachelor of Applied Computing program.



<p><b>DCCT*4080 Network Security and Cryptography S-F (3-1) [0.50]</b></p> <p>The course is a detailed analysis of current and emerging topics in computer security. Students will study in detail the implementation of measures to protect computer systems, installations, communications traffic and computer-to-computer messages. Computer system security topics will include measures such as firewalls and antiviral and anti-worm tools and techniques. Most common intrusion strategies will be discussed and the methods for dealing with them. Standard algorithms for encryption will be studied, along with the underlying mathematical principles for code generation and code-breaking. Secure protocols will be examined for inter-computer communication and for mobile/wireless computer communications.</p> <p><i>Prerequisite(s):</i> 15.00 credits  <i>Restriction(s):</i> Instructor consent required.</p>
<p><b>DCCT*4090 Information Storage and Retrieval Systems F (3-2) [0.50]</b></p> <p>This course examines advanced topics in the organization of extensive collections of data and information, storage schemes designed for efficient retrieval of requested information, and query algorithms that are capable of executing precise retrieval on the basis of imprecise requests. Multimedia data stores, distributed data systems, web-based retrieval, libraries and bibliographical systems, and multilingual data organization are analyzed in detail, with concrete examples and algorithms presented.</p> <p><i>Prerequisite(s):</i> DCCT*3070, DCCT*4130, DCCT*4140  <i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program.</p>
<p><b>DCCT*4100 Human-Computer Interaction F (3-3) [0.50]</b></p> <p>The course examines the interface between human users and computing devices of various types, with an emphasis on mobile and wireless devices in common usage that, typically, have limitations on both input and output as compared to their full-function peers. Methodologies are explored for user interface software design, interface representations and testing. Evaluation is conducted of sample application systems and implementation and testing tools. Students develop an understanding of the learning stages in the use of computer applications and the design of assistance subsystems. The class evaluates impacts of computer-based information systems on individuals and organizations. Practical experience is gained in user interface design specification in multicasting environments.</p> <p><i>Prerequisite(s):</i> DCCT*3020  <i>Restriction(s):</i> Instructor consent required. Registration in the Bachelor of Applied Computing program.</p>
<p><b>DCCT*4110 Artificial Intelligence S-F (3-1) [0.50]</b></p> <p>Students will examine techniques used in the field of artificial intelligence using the intelligent agent approach, including: heuristic search, informed search algorithms, logic-based knowledge representation and reasoning. Other topics may include frames, scripts, semantic nets, models of uncertain reasoning, expert systems, learning theory and natural language understanding. These ideas will be explored through the development of a substantial project.</p> <p><i>Prerequisite(s):</i> SCMA*3000  <i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program.</p>
<p><b>DCCT*4120 Computer Graphics F (3-2) [0.50]</b></p> <p>Students undertake a systematic development of the fundamental principles governing the use of computer display devices to depict object, scenes and text, together with the manipulation of their representation by standard input devices. Topics covered include, standard graphics programming concepts, geometrical transformations, 3-dimensional projections, raster graphics, sculptured surfaces, visible surface determination, image processing, representations of movement and other topics. Programming practice involves current hardware and software tools and techniques.</p> <p><i>Prerequisite(s):</i> DCCT*3020  <i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program. Instructor consent required.</p>
<p><b>DCCT*4130 Distributed Programming II S (3-3) [0.50]</b></p> <p>A comprehensive survey is undertaken of the advanced tools and techniques developed for distributed systems: architectures and topologies, distribution models and phenomena affecting efficiency and performance. Communication in distributed systems, middleware, server and client programming. Practical experience is gained in the application of the technology: sockets, remote invocation, broker architectures, and web services design and development. Students analyze strategies of distribution of computing load and file systems, and principles and techniques in fault-tolerance. This course involves large projects and work sharing in teams.</p> <p><i>Prerequisite(s):</i> DCCT*3030  <i>Co-requisite(s):</i> DCCT*4140  <i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program.</p>

<p><b>DCCT*4140 Internet Technologies S (3-3) [0.50]</b></p> <p>The course focuses on those concepts and technologies which are needed to understand and implement applications and services based on the "World Wide Web (WWW) Paradigm." This course examines tools and techniques supporting the growing complexity of the "client-side" of the WWW. Significant application development and leading edge applications are necessary features of the laboratory work and student projects.</p> <p><i>Prerequisite(s):</i> DCCT*3030, DCCT*3060  <i>Co-requisite(s):</i> DCCT*4130  <i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program.</p>
<p><b>DCCT*4151 Senior Research Paper I S (3-0) [0.25]</b></p> <p>First part of the two-semester course DCCT*4151/2. Refer to DCCT*4151/2 for course description.</p> <p><i>Prerequisite(s):</i> 15.00 credits in Distributed Computing  <i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program. Instructor consent required.</p>
<p><b>DCCT*4151/2 Senior Research Paper I &amp; II S-F (3-0) [0.75]</b></p> <p>The course involves planning, developing and writing a research proposal under individual faculty supervision. The course provides senior undergraduates an opportunity to pursue an independent course of study. The topic selected will be determined by agreement between the student and the faculty member with expertise in the area. In addition the student is required to present his/her work in a seminar and also participate in the critical analysis and review of the work of other students taking this course. This is a two semester course. A grade will not be assigned to DCCT 4151 until the completion of DCCT 4252.</p> <p><i>Prerequisite(s):</i> 15.00 credits in Distributed Computing  <i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program. Instructor consent required.</p>
<p><b>DCCT*4152 Senior Research Paper II F (3-0) [0.50]</b></p> <p>Second part of the two-semester course DCCT*4151/2. Refer to DCCT*4151/2 for course description.</p> <p><i>Prerequisite(s):</i> DCCT*4151  <i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program. Instructor consent required.</p>
<p><b>DCCT*4160 Distributed Information Systems Architectures F (3-0) [0.50]</b></p> <p>This course develops in detail, the various strategies and methods of large scale integration of computer systems in distributed frameworks. It answers questions such as "why is distributed computing necessary?" and examines system organization for enterprise integration, building-blocks: architecture patterns, scalability, meta-information, semantic web.</p> <p><i>Prerequisite(s):</i> DCCT*4130, DCCT*4140  <i>Restriction(s):</i> Registration in the Bachelor of Applied Computing program.</p>
<p><b>DCCT*4191 Seminar on Technology and Society S (1-1.5) [0.00]</b></p> <p>First part of the two-semester course DCCT*4191/2. Refer to DCCT*4191/2 for course description.</p> <p><i>Prerequisite(s):</i> 15.00 credits</p>
<p><b>DCCT*4191/2 Seminar on Technology and Society S-F (1-1.5) [0.25]</b></p> <p>Students conduct a critical examination of the issues surrounding the pervasive role of technology in society. The primary focus is the impact of (and upon) information technology, social issues are analyzed. These issues include topics such as: the so-called "digital divide" between technologically advanced communities and those classified as developing, the conversion of biology to technology, the roles of the Internet in commerce (legal and otherwise), the impact of technology on learning, the economics of access to technology, the responsibilities of scientists as members of society. Each course offering develops one particular theme, chosen for importance and relevance to student's future careers.</p> <p><i>Prerequisite(s):</i> 15.00 credits</p>
<p><b>DCCT*4192 Seminar on Technology and Society F (1-1.5) [0.25]</b></p> <p>Second part of the two-semester course DCCT*4191/2. Refer to DCCT*4191/2 for course description.</p> <p><i>Prerequisite(s):</i> DCCT*4191</p>
<p><b>DCCT*4200 Independent Study in Computer Science F,W (3-0) [0.50]</b></p> <p>The independent study course is designed to provide senior undergraduate students with an opportunity to pursue library, field research or project under faculty supervision and to prepare a research report or literature review. Formal agreement between the student and the faculty supervisor is required, as is approval of the program head.</p> <p><i>Prerequisite(s):</i> 15.00 credits  <i>Restriction(s):</i> Instructor consent required.</p>

## Early Childhood Studies

<b>ECS*1000 Creating Nurturing and Safe Environments for Young Children F (3-0) [0.50]</b>
Introducing the student to the importance of early childhood services on healthy development and learning for children. Consideration is given to the philosophical tenets, curriculum models, legal requirements, and research indicators that reflect high quality care and service. The concern in society for increasing the standards for early childhood services and developing innovative training profiles for a skilled workforce is gaining public recognition. This course provides an overview of occupational standards and personal career potential and opportunity.
<b>ECS*1010 Infant Development W (3-0) [0.50]</b>
Examines physical, neurological, motor, cognitive, language, social, and emotional development of young children from the prenatal period to early childhood (approximately ages 0-2). Emphasis is placed on integrating developmental theories relevant to infancy and toddlerhood with contemporary research findings for practical application purposes. Students achieve a knowledge base from which they can thoughtfully evaluate and respond to common issues and questions that face practitioners and researchers as they attempt to understand and describe infant development.
<b>ECS*1020 Child and Family Nutrition W (3-0) [0.50]</b>
Designed to provide a basic introduction to human nutrition with a particular emphasis on childhood nutrition in the context of the family. The course provides students with a framework for evaluating nutritional needs and food intake in this group of individuals. Also examining current issues related to nutrition and food intake in children and their significance in family and community health. Students achieve a knowledge base from which they can identify and respond to nutrition problems in order to support healthy child development.
<b>ECS*1030 Field Placement I W (3-8) [0.50]</b>
Students are introduced to the range of community services and career opportunities related to early childhood services. Through seminar discussions, tours to community agencies, and job shadowing in the workplace, students develop an understanding of the regulations and mandates of various programs in early childhood services and the components of quality programming associated with each. In addition, students examine standards for health and safety and for the reporting of child abuse. <i>Prerequisite(s):</i> ECS*1000
<b>ECS*2000 Parent-Child Relations W (3-0) [0.50]</b>
This interdisciplinary course is designed to examine parent-child relationships in the context of several theoretical and applied social science perspectives onto the multitude of socio-cultural circumstances and factors in today's North-American/Canadian families. Introducing first year students to the possibilities of viewing parent-child relationships from multiple standpoints in a critical manner. Beyond this, students have the opportunity to examine and explore their own values, opinions and experiences in the context of parent-child relationships.
<b>ECS*2010 Observing and Recording Children's Behaviour F (3-0) [0.50]</b>
This course examines the philosophy behind the systematic use of observational methods and identifies the reasons for observing children and recording that information for future use. A variety of basic observational techniques used in the field of early childhood will be discussed, explored and evaluated. Observations will provide opportunities for practical application. <i>Prerequisite(s):</i> ECS*1010, ECS*1030 <i>Co-requisite(s):</i> AHSS*2040
<b>ECS*2020 Play and Programming for Early Childhood F (2-1) [0.50]</b>
This course will focus on the value of play and its roles in the life of a young child. Play is central for the development of young children. It is through play that children consolidate their knowledge, learn social skills, express their emotions, and most of all have fun. Play allows for creativity and fantasy. Students evaluate play materials then design and implement materials they have created. These play materials must meet the developmental needs of the children. Students study the value of play and the need to advocate for play-based programmes for young children. <i>Prerequisite(s):</i> AHSS*2040 <i>Co-requisite(s):</i> ECS*2040 <i>Restriction(s):</i> Registration in the Bachelor of Applied Science - Early Childhood program.

<b>ECS*2030 Development in Adolescence W (3-0) [0.50]</b>
This course examines the biological, psychological and social changes associated with the adolescent stage of human development. Current research findings are presented to illustrate key developmental issues and to locate adolescent development historically as well as socially. Physical, cognitive, emotional and sexual development is explored within the context of family, peer and school relationships. Particular attention is paid to the application of theories and concepts to the lived experiences of adolescents. <i>Prerequisite(s):</i> AHSS*2040
<b>ECS*2040 Field Placement II W (2-8) [0.50]</b>
This course introduces students to pre-school children in a variety of early childhood settings where students will participate in all assigned activities. Through discussion in seminars, reflection in a journal and the creation of a portfolio, students gain insight into various dimensions of teaching and learning for self-improvement and growth. <i>Prerequisite(s):</i> AHSS*2040, ECS*1030, ECS*2050 <i>Restriction(s):</i> Registration in the Bachelor of Applied Science - Early Childhood program.
<b>ECS*2050 Curriculum Development I F (3-0) [0.50]</b>
This course focuses on the development of curriculum for children two to six years of age in an early childhood setting. The course is designed to help the student plan and implement appropriate stimulating activities. A wide variety of creative materials and resources are explored. <i>Prerequisite(s):</i> ECS*1000, ECS*1030 <i>Co-requisite(s):</i> AHSS*2040 <i>Restriction(s):</i> Registration in the Bachelor of Applied Science - Early Childhood program.
<b>ECS*3000 Curriculum Development II F (2-1) [0.50]</b>
This course explores infant-toddler and school-age environments. Students examine a philosophy of care to support the needs and developing skills of these age groups and the implications for curriculum design and implementation. <i>Prerequisite(s):</i> AHSS*2040, ECS*1000, ECS*1010, ECS*2050 <i>Co-requisite(s):</i> ECS*3030
<b>ECS*3010 Children with Diverse Needs in Families F (3-0) [0.50]</b>
This course provides an overview of the diversity of special needs in children and their families. Different causes, common characteristics, intervention approaches, and programming guidelines for creating a bias-free, inclusive, and family-centered learning environment will be explored. Issues for children, their families and supporting resource personnel will be highlighted. <i>Prerequisite(s):</i> ECS*2030
<b>ECS*3020 Counselling and Communication in Family Consultation F (2-1) [0.50]</b>
This course focuses on the development of interviewing and counselling skills that will enable effective communication with children and their families in a variety of professional settings in the fields of early childhood services. An examination and analysis of major theoretical approaches to working with children and their families will also be provided. This course will involve a skill lab component which requires students to practice skills demonstrated in the lectures. <i>Prerequisite(s):</i> AHSS*2120, ECS*2030 <i>Restriction(s):</i> Registration in the Bachelor of Applied Science - Early Childhood program.
<b>ECS*3030 Field Placement III F (2-8) [0.50]</b>
This course will further enhance the students' breadth in the program and their experience in the range of early childhood services. This field placement will focus on the area of infant/toddler services. Seminars, written reflection and continued portfolio development will give students opportunity to think systematically about their practice and learn from experience. <i>Prerequisite(s):</i> ECS*2040, ECS*3000
<b>ECS*3040 Administration of Programs W (3-0) [0.50]</b>
Using resources found on the Internet, along with assigned readings from the text and other sources and on-line conferences, students study the important roles, responsibilities, skills and techniques available to administrators of high quality child care programs. Students consider the effective planning and utilization of resources (money, human energy, physical resources) and time to provide services to children and families while meeting the needs of the community. (Offered in Distance Education format only.) <i>Prerequisite(s):</i> ECS*3030

**ECS\*3060 Field Placement IV W (2-8) [0.50]**

In the continuing series of placements which increase the breadth of field experiences, students will be introduced to the area of diversity, family services, community and early years centres, therapeutic settings and/or elementary education in early childhood services. Students will be expected to share their experiences in journal, portfolio and seminar format.

*Prerequisite(s):* ECS\*3030

**ECS\*3070 Community Development in Early Childhood W (3-0) [0.50]**

This course examines the history, theory and practice of community development and participation in the field of early childhood. Students explore their own values and beliefs in relation to collaborative capacity building by experiencing community development work at the grassroots level.

*Prerequisite(s):* 10.00 credits including AHSS\*1140

**ECS\*4000 Program Development and Evaluation F (3-0) [0.50]**

In this course, students study the underlying principles involved in the development and evaluation of programs for young children. Students first examine the philosophical roots of early childhood program design and evaluate the relevance for current early education. Students also become familiar with some of the approaches and strategies used in program evaluation. Research on published evaluation in the field are reviewed and students plan an evaluation related to a current early education program of their choice.

*Prerequisite(s):* ECS\*3040, SCMA\*3040

*Restriction(s):* Registration in the Early Childhood Studies Program

**ECS\*4011 Field Placement V F-W (2-8) [0.50]**

First part of the two-semester course ECS\*4011/2. Refer to ECS\*4011/2 for course description.

**ECS\*4011/2 Field Placement V F-W (2-8) [0.50]**

Students will choose a placement in an area of interest in the field of Early Childhood Services. The placement will be eight hours a week over two semesters. This allows for an in-depth experience independently planning, implementing and evaluating programs for children and/or their families in collaboration with other professionals. In doing so, students will transform the course from an intellectual experience to an experience of human relationships. Students will be involved in various aspects of the placement agency to understand the role that the centre or agency fulfills in the broader community of supports. Through verbal and written reflective practice and the completion of their professional portfolios, students will consolidate and evaluate their competencies. A grade will not be assigned to ECS\*4011 until the completion of ECS\*4012.

**ECS\*4012 Field Placement VI F-W (2-8) [0.50]**

Second part of the two-semester course ECS\*4011/2. Refer to ECS\*4011/2 for course description.

*Prerequisite(s):* ECS\*4011

**ECS\*4020 Child Care and Public Policy W (3-0) [0.50]**

This course focuses on public policies that influence the nature and effectiveness of programs and services for young children and their families. Students are exposed to the range of factors that influence social policy development and the respective roles of the federal, provincial/territorial and municipal governments. The course examines the history of policies affecting early childhood education and care and related services in Canada and in Ontario and provides students with the tools to critically examine how current policies and their implementation affect children, parents, women, child care professionals, and communities. The course includes both international and inter-provincial comparisons.

*Prerequisite(s):* 12.50 credits, ECS\*3040

**ECS\*4030 Professional Issues in ECS W (3-0) [0.50]**

This course explores current issues and trends in professional practice. Through collaborative learning students acquire skills in best practices such as effective communication and conflict resolution. The importance of advocacy and empowerment in relation to marginalization and power are investigated. Students examine their personal and professional values, supporting the process of making ethical decisions related to Early Childhood Services

*Prerequisite(s):* 10.00 credits, ECS\*4000

**ECS\*4050 Assessment and Intervention with Children and Families F (2-2) [0.50]**

This course focuses on the assessment of atypical development in children ranging in age from birth through age 6. The course builds on the student's knowledge of principles of assessment and intervention with respect to individual children, children within their families, and children within larger organizational settings. A wide variety of assessment instruments and contexts are analyzed.

*Prerequisite(s):* ECS\*2010, ECS\*3010, ECS\*3060

*Restriction(s):* Registration in the Early Childhood Studies Program

**ECS\*4900 Independent Study in Early Childhood S,F,W (3-0) [0.50]**

The independent study course is designed to provide senior undergraduate students with an opportunity to pursue library, field research or project under faculty supervision and to prepare a research report of literature review. Formal agreement between the student and the faculty supervisor is required, as is approval of the program head.

*Prerequisite(s):* 15.00 credits and 75% grade point average.

*Restriction(s):* Instructor consent required.

## Family and Community Social Services

### FCSS\*1000 Social Work in Canada F (3-0) [0.50]

This interdisciplinary course examines the social welfare institutions in the context of professional values and ethics of the social service professions. This course introduces first year students to the purpose, value base, principles, settings, and methods of social work practice. Students have the opportunity to explore their own personal values in the context of social work and the broader society.

### FCSS\*1010 Social Issues and Social Environments W (3-0) [0.50]

This course provides students with the contexts necessary to see the presenting problems of clients within the larger social issues facing society and offers an overview of methodologies utilized by social service professionals in addressing both individual and social issues. It provides students with a basic framework in which to view and understand social problems, their causes, their relationship to particular groups and sub-populations, and potential solutions.

### FCSS\*1020 Interpersonal Communication Skills W (3-0) [0.50]

This course is designed to provide a basic introduction to the issues of power and wealth in Canadian society, and the formal political system of government. The course examines the various political influences, both inside and outside government, that affect people's lives and shape communities. The course also examines the relationship between political processes and their impact on the human services and the clients they serve.

### FCSS\*1070 Couple and Family Relationships W (3-0) [0.50]

Couple and family experience is expressed in different forms of relationships including traditional heterosexual marriages, same sex partnerships, cohabitation, separated, divorced, and remarried families and parenting throughout the life cycle. Students examine both the internal dynamics in families as they change throughout the life course, and the impact of broader social, economic and cultural forces such as race, class, and ethnicity on couple and family relationship processes.

### FCSS\*2000 Counselling I: Theory and Practice F (3-0) [0.50]

This is the first of two courses designed to provide the student with the theory and skills to provide appropriate counselling services to clients. The course will provide students an opportunity to develop and practice counselling skills through the counselling seminars as well as introducing students to a number of counselling theories and their application in the field.

*Prerequisite(s):* FCSS\*1020

*Restriction(s):* Registration in the Family and Community Social Services program and the Justice Major.

### FCSS\*2010 Working with High Risk Populations F (3-0) [0.50]

Disadvantaged people often face personal and structural issues that place them at high risk of harm, hospitalization, or death. Using an empowerment approach which emphasizes the perspective of clients, learners develop effective means of working with people with psychiatric labels, developmental disabilities, older adults, survivors of domestic violence and child abuse and early trauma, those struggling with addictions and eating disorders, and individuals labelled as having cognitive disabilities.

*Prerequisite(s):* 3.00 credits including: AHSS\*2120, FCSS\*1010

### FCSS\*2020 Introduction to Field Practicum F (3-0) [0.50]

This course prepares students for the expectations associated with field practica, including those of the program, the agencies and the professional college. Students will become familiar with the organization of the field practicum sequence and the documentation, policies and procedures connected to the evaluation and monitoring of field practice. This is a pre-requisite for Field Practicum.

*Prerequisite(s):* 3.00 credits from FCSS including: FCSS\*1020

*Restriction(s):* Registration in the Family and Community Social Services program.

### FCSS\*2040 Foundation Practicum I W (2-14) [0.75]

Seminar and supervised field placement where students have the opportunity to take part in the day-to-day operations of a social services agency. They will work under the direct supervision of a professional staff person, have the opportunity to observe social services procedures and practices, and take part in serving clients with direction from agency staff. Students will also be expected to maintain a record of their placement activities through the submission of a field contract, time sheets, and bi-weekly logs.

*Prerequisite(s):* FCSS\*2000, FCSS\*2020

### FCSS\*2050 Human Sexuality F (3-0) [0.50]

This course examines the biological, cultural and psychological aspects of human sexuality. Current research findings are presented in the context of sexual problems facing individuals and society. A wide diversity of sexual attitudes and behaviours will be explored. Students will develop an understanding of how to apply theory and research in analyzing and counselling commonly presented sexual problems.

*Prerequisite(s):* FCSS\*1010

### FCSS\*3001 Intermediate Practicum F (2-14) [0.75]

First part of the two-semester course FCSS\*3001/2. Refer to FCSS\*3001/2 for course description.

*Prerequisite(s):* FCSS\*2040

### FCSS\*3001/2 Intermediate Practicum F (2-14) [1.50]

This is a two-semester course. Seminar and supervised field placement in a community or social service agency providing students with an in-depth experience of front-line work in a human services agency under direct supervision. Students develop work habits such as serving clients effectively, which make them an asset to the agency, and how to navigate moral, ethical, clinical, and political issues as they emerge in their placements. Students continue to work as part of a team, and deciphering how to effectively use supervision. Agency field supervisors and college field supervisors may raise professional, ethical, attitudinal, and practical issues which they consider to be important for students to address. A grade will not be assigned to FCSS 3001 until FCSS 3002 has been completed.

*Prerequisite(s):* FCSS\*2040

*Restriction(s):* Registration in the Family and Community Social Services program.

### FCSS\*3002 Intermediate Practicum F (2-14) [0.75]

Second part of the two-semester course FCSS\*3001/2. Refer to FCSS\*3001/2 for course description.

*Prerequisite(s):* FCSS\*2040

### FCSS\*3010 Working With Groups: Theory and Practice W (2-1) [0.50]

This course will provide the student with the opportunity to develop the self-awareness, knowledge and skills necessary to work effectively with small groups. The course will focus on the dynamics of group development and behaviours, and the facilitating role of workers in task, therapeutic and maintenance groups. Students will study a variety of theoretical approaches to group counselling, and will practice group facilitation skills through experiential exercises in the lab.

*Prerequisite(s):* 7.50 credits

### FCSS\*3020 Developing a Culturally Sensitive Practice W (3-0) [0.50]

This course evaluates the different theories relating to the provision of social services to culturally diverse populations. It offers students the opportunity to develop the knowledge, attitudes, and skills necessary in addition to delivering effective social services in a multi-cultural, multi-racial society.

*Prerequisite(s):* 7.50 credits

*Restriction(s):* Registration in the Family and Community Social Services program.

### FCSS\*3040 Counselling II: Theory and Practice W (3-0) [0.50]

This is the second of two courses designed to provide students with the theory and skills to allow them to provide appropriate counselling services to their clients. The course will focus on the role of race, ethnicity, sexual orientation, ability/disability, class and gender in the counselling relationship and how to integrate these multiple identities into counselling practice. This course will also allow students to continue to enhance their counselling skills through the counselling seminar section of the course.

*Prerequisite(s):* FCSS\*2000

*Co-requisite(s):* FCSS\*2040

*Restriction(s):* Registration in the Family and Community Social Services program.

### FCSS\*3060 Crisis Intervention: Theory and Practice W (3-0) [0.50]

This course provides the student with the theory and practical skills that will be needed to effectively intervene with clients who are experiencing crisis. The course will focus on crisis theory and crisis intervention methods, with particular emphasis on crisis intervention in the context of families. A developmental-ecological perspective is employed in the discussion of course content.

*Prerequisite(s):* 7.50 credits including: FCSS\*3040

### FCSS\*4000 Family Theory and Therapy W (3-0) [0.50]

This course examines the major theoretical frameworks and family therapy models guiding research and practice relating to families today. It prepares students to use theory as a tool for better understanding and explaining family process and develops the critical thinking skills necessary to critique, evaluate, and integrate these theoretical frameworks and therapy models. This course also places a heavy emphasis on integrating theory with practice and requires that students routinely apply and integrate major theoretical frameworks and family therapy models to specific and contemporary family issues.

*Prerequisite(s):* 12.50 credits including: AHSS\*2120

**FCSS\*4010 Agency Admin. & Community Relations F (3-0) [0.50]**

This course presents students with the information and skills to assume financial responsibility for an agency budget, administer an agency office, and develop and prepare a major grant proposal. The course also examines the agency's presence within the community. It also surveys the current funding structure in Canada, emphasizing access to corporate, government and foundation funders.

*Prerequisite(s):* 12.50 credits

**FCSS\*4021 Advanced Practicum F (2-18) [1.00]**

First part of the two-semester course FCSS\*4021/2. Refer to FCSS\*4021/2 for course description.

*Prerequisite(s):* 15.00 credits including FCSS\*3001/2

*Restriction(s):* Registration in the Family and Community Social Services program.

**FCSS\*4021/2 Advanced Practicum F (2-18) [2.00]**

This is a two-semester course. Seminar and supervised field placement in a community or social service agency providing students with an in-depth experience of front-line work in a human services agency under direct supervision. Agency field supervisors and course instructors may raise professional, ethical, attitudinal, and practical issues which they consider to be important for students to address. As a component of the advanced practicum students will submit a major thesis relating to a critical aspect of their practicum which has been negotiated between the field supervisor and course instructor. A grade will not be assigned to FCSS 4021 until FCSS 4022 has been completed.

*Prerequisite(s):* 15.00 credits including FCSS\*3001/2

*Restriction(s):* Registration in the Family and Community Social Services program.

**FCSS\*4022 Advanced Practicum F (2-18) [1.00]**

Second part of the two-semester course FCSS\*4021/2. Refer to FCSS\*4021/2 for course description.

*Prerequisite(s):* 15.00 credits including FCSS\*4021

*Restriction(s):* Registration in the Family and Community Social Services program.

**FCSS\*4030 Social Work and the Law F (3-0) [0.50]**

Using a case study approach this course provides students with an understanding of the role of the law in social work practice, and is designed to equip them with sufficient knowledge of the law to assist them in their roles as advocates or case managers. The course will also cover specific legislation including the Mental Health Act, Youth Criminal Justice Act and Income Assistance Legislation. The course will outline the rights and obligations as defined by the Ontario College of Social Workers and Social Workers

*Prerequisite(s):* FCSS\*3001/2

**FCSS\*4040 Empowerment Oriented Case Management W (3-0) [0.50]**

This course provides students with the skills required to promote the effective integration of disadvantaged people into the mainstream of community life using an empowerment approach. Students learn about empowerment-oriented case management practice, risks of not practicing according to the empowerment model, key empowerment philosophies, and their applications to practice, and legal and ethical issues that have a direct impact on how case management is practiced.

*Prerequisite(s):* 10.00 credits

**FCSS\*4060 Family Mediation & Conflict Resolution W (3-0) [0.50]**

This course focuses on the theories, skills and techniques used to reach resolution in a variety of family conflict situations. Overviews of contemporary developments in the theory and practice of mediation are discussed. Students also examine different perspectives on conflict and strategies for resolving conflict, specifically within the family context. Through lectures, group work and role plays, students study the fundamental principles of negotiation, mediation and conflict resolution. Students have the opportunity to reflect on their own style of conflict resolution and the relevance of course material to their own lives.

*Prerequisite(s):* 12.50 credits including: FCSS\*2000, FCSS\*4000

## Justice

### JUST\*1000 Health and Wellness I F (2-1) [0.50]

Students are introduced to concepts of wellness and total health for mind and body. Emphasis is placed on the benefits of physical activity. Students are given practical information necessary to make lifestyle changes. In addition, an effective and safe personal fitness program is designed, developed and implemented.

*Restriction(s):* Registration in the Bachelor of Applied Science - Justice Studies program.

### JUST\*1010 Criminal Offences W (3-0) [0.50]

Students analyze specific elements of selected criminal code offences, including offences against the person, property and public order. Students research case law, assess its impact on criminal offences, and use case law to argue and defend decisions.

*Prerequisite(s):* AHSS\*1150

### JUST\*1020 Introduction to Police Powers W (3-0) [0.50]

Students examine pertinent sections of the Canadian Charter of Rights and Freedoms and their impact on Canadian criminal procedure. Topics include citizen and police arrest and release authorities, police powers of search and seizure, with and without warrant, police discretion and its implications. Students become familiar with police terminology and apply the procedures required to effect arrest and release.

*Prerequisite(s):* AHSS\*1150

### JUST\*1030 Introduction to Community Service F (3-0) [0.50]

Students become increasingly familiar with the volunteer process and the various volunteer placement sites in the justice system. Also, concepts such as social privilege, volunteerism, and community involvement and their roles in the justice system are covered.

### JUST\*1040 Physical Fitness Practicum I W (0-2) [0.00]

This course promotes the importance of possessing total health and wellness for meeting the lifestyle and physical demands individuals in law enforcement face. Selected wellness topics will be presented to illustrate core issues in police work. Students are required to take a proactive role in the development of their personal health by self-evaluation, by attending lectures and participating in-group discussions on selected wellness issues and topics, and by participating in-group activity sessions. Additionally, students will design and implement an effective personal fitness program that will prepare them for the physical requirements of the Bona Fide Occupational Requirements and the Ontario Police College Component Fitness Testing Standards.

*Prerequisite(s):* JUST\*1000

*Restriction(s):* Registration in the Bachelor of Applied Science - Justice Studies program.

### JUST\*2000 Community Policing: Introduction F (3-0) [0.50]

Students examine the role of community policing acting in equal partnership with the diverse groups in contemporary society to identify and implement effective solutions for community problems. The course begins with an analysis of traditional policing and moves on to a discussion of community policing as the future of policing. Emphasis is placed on learning the skills – self-direction, tolerance, problem solving, critical thinking, conflict management, and mediation – needed for practicing effective community policing.

*Restriction(s):* Registration in the Bachelor of Applied Science - Justice Studies program.

### JUST\*2010 Forensics Techniques F (2-1) [0.50]

Students examine the role of forensic science in criminal investigations. Emphasis is placed on using evidence such as fingerprints, hair, fibres, bullets and blood patterns to identify and link a suspect to a crime. Also, the identification, collection, packaging and protection of forensic evidence from a crime and presentation of evidence in court are studied.

*Restriction(s):* Registration in the Bachelor of Applied Science - Justice Studies program.

### JUST\*2020 Federal Legislation F (3-0) [0.50]

Students critically analyse and interpret specific elements of selected criminal code and federal legislation having an impact on the administration of justice. These include federal statutes dealing with offences related to young persons, firearms, controlled drugs and substances, and various procedural statutes such as the Interpretation Act and the Canada Evidence Act. Emphasis is placed on researching case law and assessing its impact on the enforcement of federal statutes.

*Prerequisite(s):* AHSS\*1150, JUST\*1010

*Restriction(s):* Registration in the Bachelor of Applied Science - Justice Studies program.

### JUST\*2030 Provincial Legislation W (3-0) [0.50]

Students analyze specific elements of selected Provincial legislation that have an impact on the administration of justice in Ontario. Specific statutes include the Highway Traffic Act, the Liquor Control Act, the Mental Health Act and the Family Law Act, among others. Also, the role of the Province in establishing laws and the interplay of various agencies and police in the enforcement of these statutes are examined.

*Prerequisite(s):* AHSS\*1160

*Restriction(s):* Registration in the Bachelor of Applied Science - Justice Studies program.

### JUST\*2040 Police Governance and Accountability W (3-0) [0.50]

Students examine police governance and accountability issues related to the Police Services Act, police complaints, First Nations policy and management and labour issues. Topics include use of force and officer safety theory and related issues.

*Prerequisite(s):* JUST\*1020

*Restriction(s):* Registration in the Bachelor of Applied Science - Justice Studies program.

### JUST\*2050 Community Service I W (1-9) [0.50]

Students have the opportunity to explore the structure and administration of community organizations and social services that operate within and adjacent to the Criminal Justice System by working on site. Students work under the direct supervision of a professional staff person and participate in the activities of the agency. Students are expected to maintain a record of their community service activities as demonstrated through the submission of weekly reports.

*Prerequisite(s):* JUST\*1030

*Restriction(s):* Registration in the Bachelor of Applied Science - Justice Studies program.

### JUST\*2060 Physical Fitness Practicum II F (0-2) [0.00]

This course promotes the importance of possessing total health and wellness for meeting the lifestyle and physical demands individuals in law enforcement face. Selected wellness topics will be presented to illustrate core issues in police work. Students are required to take a proactive role in the development of their personal health by self-evaluation, by attending lectures and participating in-group discussions on selected wellness issues and topics, and by participating in-group activity sessions. Additionally, students will design and implement an effective personal fitness program that will prepare them for the physical requirements of the Bona Fide Occupational Requirements and the Ontario Police College Component Fitness Testing Standards.

*Prerequisite(s):* JUST\*1040

*Restriction(s):* Registration in the Bachelor of Applied Science - Justice Studies program.

### JUST\*2070 Physical Fitness Practicum III W (0-2) [0.00]

This course promotes the importance of possessing total health and wellness for meeting the lifestyle and physical demands individuals in law enforcement face. Selected wellness topics will be presented to illustrate core issues in police work. Students are required to take a proactive role in the development of their personal health by self-evaluation, by attending lectures and participating in-group discussions on selected wellness issues and topics, and by participating in-group activity sessions. Additionally, students will design and implement an effective personal fitness program that will prepare them for the physical requirements of the Bona Fide Occupational Requirements and the Ontario Police College Component Fitness Testing Standards.

*Prerequisite(s):* JUST\*2060

*Restriction(s):* Registration in the Bachelor of Applied Science - Justice Studies program.

### JUST\*2080 Correctional Institutions W (3-0) [0.50]

This course offers students a critical look at prison populations, treatment programs, progressive reforms, correctional officers, and an opportunity to analyze whether feasible alternatives to Correctional Institutions exist.

*Prerequisite(s):* AHSS\*1160

### JUST\*3000 Health and Wellness II F (3-0) [0.50]

Students are introduced to human anatomy and physiology. The course examines the practice of good nutrition and the body's nutritional requirements. In addition, the determinants of physical activity participation, motivation and adherence are presented. This course has been designed specifically for the Justice Program.

*Prerequisite(s):* JUST\*1000

*Restriction(s):* Registration in the Bachelor of Applied Science - Justice Studies program.

<b>JUST*3010 Conflict Resolution F (3-0) [0.50]</b>
This course takes an interdisciplinary approach to studying conflict analysis and resolution through theory, research and practice. Students consider conflict situations in a complex and in-depth manner and will demonstrate competence through the use of case studies, basic assumptions and theories, strategic planning, and mediation practice and problem solving. The relationship between reconciliation and justice is also explored. <i>Prerequisite(s):</i> 5.00 credits including AHSS*1110
<b>JUST*3030 Investigative Techniques W (3-0) [0.50]</b>
This course presents students the various steps in the investigative process and how to strike a balance between the extraordinary powers of the State to search, seize, detain and interrogate, and individual rights and freedoms. <i>Prerequisite(s):</i> AHSS*1150, JUST*1010, JUST*1030, JUST*2010
<b>JUST*3040 Police and Society F (3-0) [0.50]</b>
This course examines the role of police in society, including theories of policing, the history of policing and such issues as police citizen interaction, relations with visible minorities, methods for controlling police behaviour, and the effectiveness of the police in carrying out specific policy directives. <i>Prerequisite(s):</i> 5.00 credits including AHSS*1160
<b>JUST*3050 Community Service II W (1-8) [0.50]</b>
This course is builds on JUST 2050 Community Service I. Students will be required to seek and secure a placement with an agency, other than the one they experienced in JUST 2050. Students will have an opportunity to reflect on their previous community service experience, as well as compare the agencies, and the two experiences. Students will be expected to maintain a record of their community service activities as demonstrated through the submission of weekly reports. Students have the opportunity to apply the theoretical knowledge they have acquired through the Justice Program and to reflect in the current placement. In addition to comparing and contrasting the current placement with the previous placement. <i>Prerequisite(s):</i> 5.00 credits including JUST*2050 <i>Restriction(s):</i> Registration in the Bachelor of Applied Science - Justice Studies program.
<b>JUST*3060 Traffic Investigation and Analysis F (3-0) [0.50]</b>
This course examines various aspects of Federal and Provincial legislation as it relates to the use of motor vehicles. Emphasis is placed on police authority to enforce these laws and the social and moral consequences of this enforcement activity. <i>Prerequisite(s):</i> 5.00 credits including JUST*1020 <i>Restriction(s):</i> Registration in the Bachelor of Applied Science - Justice Studies program.
<b>JUST*3070 Physical Fitness Practicum IV F (0-2) [0.00]</b>
This course promotes the importance of possessing total health and wellness for meeting the lifestyle and physical demands individuals in law enforcement face. Selected wellness topics will be presented to illustrate core issues in police work. Students are required to take a proactive role in the development of their personal health by self-evaluation, by attending lectures and participating in-group discussions on selected wellness issues and topics, and by participating in-group activity sessions. Additionally, students will design and implement an effective personal fitness program that will prepare them for the physical requirements of the Bona Fide Occupational Requirements and the Ontario Police College Component Fitness Testing Standards. <i>Prerequisite(s):</i> JUST*2070 <i>Restriction(s):</i> Registration in the Bachelor of Applied Science - Justice Studies program.
<b>JUST*3080 Physical Fitness Practicum V W (0-2) [0.00]</b>
This course promotes the importance of possessing total health and wellness for meeting the lifestyle and physical demands individuals in law enforcement face. Selected wellness topics will be presented to illustrate core issues in police work. Students are required to take a proactive role in the development of their personal health by self-evaluation, by attending lectures and participating in-group discussions on selected wellness issues and topics, and by participating in-group activity sessions. Additionally, students will design and implement an effective personal fitness program that will prepare them for the physical requirements of the Bona Fide Occupational Requirements and the Ontario Police College Component Fitness Testing Standards. <i>Prerequisite(s):</i> JUST*3070 <i>Restriction(s):</i> Registration in the Bachelor of Applied Science - Justice Studies program.

<b>JUST*3090 Immigration Policy and Practices F (3-0) [0.50]</b>
This course begins with a broad exploration of historical, demographic and constitutional factors instrumental in shaping migration policies. This information, combined with an overview of the history of immigration in Canada, provides students with the necessary tools to engage in a comparative analysis of Canada's immigration policies within a global context. In addition, this course provides opportunities to engage critically in examining how social, economical and political factors shaped, and continue to shape Canadian immigration policies and how these factors are in turn, affected by immigration. Attention is given to the practical implications of Immigration Law and related legislation for the Immigration Officers. <i>Prerequisite(s):</i> 10.00 credits <i>Restriction(s):</i> Registration in the Bachelor of Applied Science - Justice Studies program.
<b>JUST*4000 Advanced Issues in Community Policing F (3-0) [0.50]</b>
This course challenges students to critically examine the role community policing plays in society. Students examine the shortcomings of current policing strategies by analysing these strategies using concepts such as sustainable crime reduction, evidence based crime prevention, fear management and the 'dark figure of crime'. Also, they study value-added policing services that support a transition towards a comprehensive, qualitative policing model. <i>Prerequisite(s):</i> 10.00 credits including JUST*2000
<b>JUST*4010 Justice Senior Seminar W (3-0) [0.50]</b>
This course will be offered as a structured seminar on various topics depending on the interests of the faculty member teaching the course, substantive current topics in Justice studies or student interest. Topics will be announced and course outlines will be available at course selection. <i>Prerequisite(s):</i> AHSS*3060, SCMA*2040, SCMA*3040 <i>Restriction(s):</i> Registration in the Bachelor of Applied Science - Justice Studies program.
<b>JUST*4020 Justice Management W (3-0) [0.50]</b>
This course uses a systems approach to critically analyse the management practices utilized within the Canadian Justice System. Topics covered include restorative justice, collaborative justice, labour relations, administration and leadership practices and processes, and community and stakeholder involvement in the administration of justice. <i>Prerequisite(s):</i> 10.00 credits including: AHSS*1140
<b>JUST*4030 Physical Fitness Practicum VI F (0-2) [0.00]</b>
This course promotes the importance of possessing total health and wellness for meeting the lifestyle and physical demands individuals in law enforcement face. Selected wellness topics will be presented to illustrate core issues in police work. Students are required to take a proactive role in the development of their personal health by self-evaluation, by attending lectures and participating in-group discussions on selected wellness issues and topics, and by participating in-group activity sessions. Additionally, students will design and implement an effective personal fitness program that will prepare them for the physical requirements of the Bona Fide Occupational Requirements and the Ontario Police College Component Fitness Testing Standards. <i>Prerequisite(s):</i> JUST*3080 <i>Restriction(s):</i> Registration in the Bachelor of Applied Science - Justice Studies program.
<b>JUST*4040 Private Security and Society W (3-0) [0.50]</b>
This course critically examines the role and function of private security in society. Private security practices and polices are compared to public policing and the implications for public policy are considered. Case studies will be used to discuss the development of effective risk management plans. <i>Prerequisite(s):</i> 10.00 credits including JUST*3030
<b>JUST*4050 Customs Policy and Procedures F (3-0) [0.50]</b>
This course provides students with the theoretical knowledge and practical skills needed to engage in the administration of customs rules and regulations in Canada. The impact of various Canadian statutes on the roles and responsibilities of Customs officials are examined. Students engage in critical debate regarding the latest major structural changes within the Customs department and related practices as a result of global issues, challenges and priorities. <i>Prerequisite(s):</i> 10.00 credits including: JUST*3090
<b>JUST*4060 Community Corrections: Theory and Practice W (3-0) [0.50]</b>
This course examines selected topics in community corrections in Canada and elsewhere. Topics studied include probation, parole, conditional release options, conditional sentencing and restorative justice practices. A theoretical analysis of community correctional practices is emphasized. <i>Prerequisite(s):</i> AHSS*3060, JUST*2080

## Media Studies

### MDST\*1010 Internet Survey & Research F (3-0) [0.50]

This course is a hands-on overview of the world of online research. Students will be introduced to the variety of resources offered through the Internet for research purposes. They will also discover how to sort through the increasing amount of online material efficiently and productively. Spreadsheets and databases will be examined for use as tools for the media professional.

### MDST\*1030 Visual Communication and Design W (3-1) [0.50]

This course is an introduction to the theory and practice of visual design as a form of social communication in print and broadcast media. The course enables students to develop skills in visual design and to develop the critical tools necessary to apply those skills.

### MDST\*1050 Introduction to Media Writing F (3-0) [0.50]

This interdisciplinary course covers the theory and practice of writing and editing for media publications and public relations purposes. It examines the usefulness of these types of communication and analyzes the differences in journalistic and public relations intent. Students study and practice writing news stories, news releases, speeches, and other forms of media writing.

### MDST\*1070 Photography and Digital Imaging F (3-0) [0.50]

This course introduces students to the contexts necessary to understand the roles and purposes of photography and their impact on the mass media. It examines the evolution of photography in its historical context through to modern electronic image-making. Students combine practical photo-based projects with the art and vocabulary of image-making, critiquing and photographic communication.

### MDST\*2000 News Gathering W (3-0) [0.50]

(JRN 1) Examines the role of the journalist in communicating public intelligence and the basic principles of news writing. Emphasis is placed on recognition of news values and on the development of clear, concise writing, research skills and effective interviewing techniques.

*Prerequisite(s):* MDST\*1010, MDST\*1050

### MDST\*2010 Introduction to Public Relations W (3-0) [0.50]

(PR 1) Examines principles, theories, methods, and objectives of public relations necessary for strategic planning. The relationship between the communication process and public relations is also examined. It determines the need for and application of communication proposals to reach public relations objectives. Students develop skills required to analyze the core business of an organization, identify its corporate communication/public relations processes and design an innovative, achievable communication strategy. Project management skills are also taught and applied.

### MDST\*2020 Media Structure and Policy F (3-0) [0.50]

Students study the diverse organizational and industrial structures of the press, electronic media and cultural industries and examine the ways in which those industries have been controlled by regulatory policies and agencies. With the emergence of the Internet and new information technologies in a globalizing world, students assess whether the traditional role of the state in regulating media continues to be relevant or even possible.

*Prerequisite(s):* AHSS\*1060

### MDST\*2030 News Editing and Writing F (3-0) [0.50]

(JRN 2) Students focus on the fundamental elements of writing, style and copy editing which form the basis of all print journalism. Students identify and fix common spelling, grammar and syntax errors in their own and colleagues' writing and communicate the needed changes in a clear and positive manner using standard copy editing symbols. An understanding of news values aids in the selection and ranking of stories for front and inside pages. Assessment of audience and regional differences guides students in news judgment and selection. Newspaper design principles, headline and outline writing, and knowledge of the readability and legibility of typographic and design elements help students create complete newspaper pages.

*Prerequisite(s):* AHSS\*1060, MDST\*1030, MDST\*1050, MDST\*1070, MDST\*2000

### MDST\*2040 Media Relations F (3-0) [0.50]

(PR 2) Students examine the role and practices of the media as they relate to public relations. They learn how to develop targeted media relations strategies to achieve organizational goals, and learn the tools required by public relations practitioners to proactively and reactively work with the media. Using a combination of lectures and writing labs, students gain a theoretical understanding of media relations while creating relevant communication to targeted media.

*Prerequisite(s):* MDST\*2010

### MDST\*2050 Specialized Reporting F (3-0) [0.50]

(JRN 3) Introducing students to the concept and practices of specialized reporting. Students examine the structure of government in Canada, Ontario and municipalities. They learn how to cover Queen's Park, municipal councils, the police and the courts, using journalistic skills and research methods to get the information they need. The course also discusses how to cover business (including the business of sports and the arts) and labour news, and studies how economic forces create and shape such news stories. Students also begin studying opinion writing – both editorial and critical reviews.

*Prerequisite(s):* MDST\*2010

### MDST\*2060 Marketing Communications W (3-0) [0.50]

(PR 3) Students develop an understanding of marketing objectives as key elements of Public Relations. Students examine the marketing mix and analyze integrated marketing communication. Application of planning techniques and forecasting trends is covered.

*Prerequisite(s):* MDST\*2010

### MDST\*2070 Digital Design W (2-2) [0.50]

Introducing students to the current tools used in the development of visual design and develops skills in practical manipulation of these applications for both journalism and public relations. The course also develops skills in research and critical analysis related to culturally-based communication in local, national and international contexts.

*Prerequisite(s):* MDST\*1030

### MDST\*2100 Digital Photographic Imaging W (3-2) [0.50]

Using the current version of industry standard digital photographic imaging software and building on skills learned in MDST\*1070, this course expands the student's proficiency in a designated operating system. Students continue their study of visual perception by employing image retouching manipulation, and assembly strategies. Students are introduced to the concept and practice deployed in a digital studio as they explore its application in portraiture, commercial photography, and photo-based art practices through a range of assignments.

*Prerequisite(s):* MDST\*2140

*Restriction(s):* Registration in the Media Studies Image Arts Specialization.

### MDST\*2130 Photographic Practice I F (3-0) [0.50]

This course introduces students to the creative application of photographic technique in the production of photo-based art, and commercial photographs. Basic darkroom and digital light room principles will be covered including film and print processing, digital scanning, output manipulation and finishing. Basic 35mm camera skills developed in this course will include use of lenses, accessories, light metering, basic framing and composition. Fundamental lighting techniques, and studio applications will also be introduced in this applied course.

*Restriction(s):* Registration in the Bachelor of Applied Arts program.

### MDST\*2140 Photographic Practice II W (3-2) [0.50]

This course introduces location and portrait assignments using digital cameras. Assigned projects incorporate a range of approaches to subject matter, as well as elements of design, composition, lighting, and darkroom techniques. Portable electronic flash units are used to explore a wide range of flash techniques in addition to tungsten and available light.

*Prerequisite(s):* MDST\*2130

*Restriction(s):* Registration in the Bachelor of Applied Arts program.

### MDST\*2510 Studio Lighting Fundamentals W (3-2) [0.50]

In this course students cover the fundamentals of applied studio lighting, an essential component of photographic techniques. They are introduced to lighting controls and lighting patterns for the human anatomy and tabletop products. Students also study lighting in the contexts of history and issues related to business.

*Prerequisite(s):* MDST\*2130

*Restriction(s):* Registration in the Bachelor of Applied Arts program.

### MDST\*3000 Magazine Writing, Editing, and Research W (3-2) [0.50]

Students explore all aspects of magazine writing and editing in this course, including developing sources, leads, interviews, and research techniques. Students also analyze the current Canadian magazine market and the impact of the magazine industry in Canadian society. Theories of media and technology examined in previous courses are applied as students choose feature-writing topics, study audience analysis, and debate media ethics.

*Prerequisite(s):* MDST\*2000



**MDST\*3010 Fundraising Principles and Practice F (3-5) [0.75]**  
 In this course students demonstrate knowledge of communication strategies for work in various public relations sectors, including non-profit, corporate, foundation, and branches of government. Students study how to prepare grant proposals, sponsorship requests, relationship marketing initiatives, capital campaign strategies, and planned giving programs, and acquire practical skills associated with evaluating requests and proposals. They also analyze the historical and social contexts of fund raising. Assigned field placement activities are part of this course.  
*Prerequisite(s):* MDST\*2010

**MDST\*3020 Broadcast Techniques: Television I F (3-2) [0.50]**  
 This course introduces students to the particular styles of writing and gathering news for radio and television, and to the differences between writing for the ear and for the eye. Students also learn how to use cameras, sound, and editing equipment and will shoot and edit their own video. The course examines the work of professional reporters working at local television stations, and requires students to analyze and critically evaluate the effectiveness of newscasts.  
*Prerequisite(s):* MDST\*2000

**MDST\*3030 Event Management W (3-1) [0.50]**  
 Special Events play a vital role in virtually every sector of public relations. In this course students develop their analytical, organizational, and creative thinking skills as they individually prepare detailed special event plans and, as a group, organize, execute, and evaluate an event on behalf of an external client. They develop event themes, select appropriate venues, prepare budgets, explore protocol and etiquette issues, and select appropriate evaluation techniques. Students also tour a facility to examine its administrative, catering and meeting/convention services facilities.  
*Prerequisite(s):* MDST\*2010

**MDST\*3040 Perception, Power, and the Media F (3-0) [0.50]**  
 Using an interdisciplinary approach, this course critically examines how the media construct, reinforce, and maintain perceptions of the world and attitudes towards society. The link between media-constructed perception and social and political power is examined and critiqued. Students are encouraged to evaluate their own roles as both citizens and future media practitioners.  
*Prerequisite(s):* 7.50 credits

**MDST\*3050 Advanced Magazine Production F (3-2) [0.50]**  
 In this advanced-level magazine course students create and produce a full-color glossy magazine and an online edition. They practice publication management skills by assuming editorial and production duties and by taking responsibility for the publication from concept through creation. This professional-level project includes examination and critique of award-winning Canadian publications and discussion of the current role of magazines in mass communication.  
*Prerequisite(s):* MDST\*3000

**MDST\*3060 Public Affairs F (3-0) [0.50]**  
 In this course, students will acquire a working knowledge of the roles and functions of governments in governing Canada, from a public affairs perspective. Students will analyze the range of strategies and comprehensive communications tools that are utilized by the public affairs community to influence change in government, as part of a major research paper and in group presentations. On the government side, students will study how Canada's multi-party, three level political systems coincide with bureaucratic structures to drive major decision-making and the parliamentary legislative process.  
*Prerequisite(s):* 10.00 credits  
*Restriction(s):* Registration in the Bachelor of Applied Arts program.

**MDST\*3070 Advanced Newspaper Production W (3-2) [0.50]**  
 This course reviews key elements of the newspaper industry in Canada and its role in the current media world. Students apply this knowledge to the production of a newspaper that meets professional standards by applying the writing, reporting, editing and design skills from previous semesters, students produce a newspaper with a designated target market. Students will rotate through positions as both editors and reporters, and take part in all aspects of production to publish multiple editions of the newspaper.  
*Prerequisite(s):* MDST\*2030, MDST\*2070  
*Restriction(s):* Registration in the Bachelor of Applied Arts program.

**MDST\*3080 Writing for Public Relations I F (0-4) [0.50]**  
 This course concentrates on the development of the specific types of writing skills required of public relations professionals with an emphasis on work that is clear, concise, and complete. Students have the opportunity to analyze and write several public relations vehicles including news stories, features, public service announcements, biographies, brochures, newsletters and news releases.  
*Prerequisite(s):* MDST\*1050, MDST\*2010

**MDST\*3090 Advanced Broadcasting: Television II W (3-2) [0.50]**  
 This practical course continues the learning from MDST 3020. It consolidates and reinforces the skills of the previous semester and applies them in more complex ways. Students produce field reports that are used in television current affairs programs. The production of these shows simulates the workings of a real newsroom. Students rotate through various editorial and production positions and work as a team to produce live news magazine shows. Students also produce a major critical analysis of network news programs in Canada.  
*Prerequisite(s):* MDST\*3020

**MDST\*3100 Corporations and Agencies W (3-0) [0.50]**  
 In this course students study about large corporations, public relations agencies and small business. Course material covers a wide variety of business concepts and terminology including accounting, finance, structure and legal considerations. Students expand their knowledge by reading the business section of the daily newspaper. Given parameters, students work in teams to develop and present a business plan for their own Public Relations agency.  
*Prerequisite(s):* MDST\*2010  
*Restriction(s):* Registration in the Bachelor of Applied Arts program.

**MDST\*3110 Intermediate Theory and Location Photography F (3-3) [0.50]**  
 This course is designed to develop students' proficiency in professional portable and studio electronic flash photography. Exposure control through digital and traditional "Zone System" is also studied along with Digital colour management as it applies to analog and digital photography. Assignments require students to apply the principles and practices taught in this course.  
*Prerequisite(s):* 7.50 credits MDST\*2510

**MDST\*3130 Applied Commercial and Studio Portraiture F (3-2) [0.50]**  
 In this course students explore more advanced lighting and camera techniques as applied to both commercial catalogue and studio portraiture. The course also is designed to provide students with an understanding of the business side of both commercial and portrait photography and the evolution of styles in these fields. In addition, it offers insights into career opportunities.  
*Prerequisite(s):* 7.50 credits MDST\*2510  
*Restriction(s):* Registration in the Bachelor of Applied Arts program.

**MDST\*3140 Intermediate Commercial and Studio Portraiture W (3-3) [0.50]**  
 This course continues to examine the advanced lighting techniques used in advertising, commercial, and consumer portrait photography. Composition of photographs, layouts, business, history, projects and critiques challenge the student to enter into a professional level of production in these fields. Some location work with a professional photographer is included in this course.  
*Prerequisite(s):* MDST\*3110, MDST\*3130  
*Restriction(s):* Registration in the Bachelor of Applied Arts program.

**MDST\*3150 Advanced Prepress and Digital Imaging W (3-3) [0.50]**  
 This advanced editing course is a continuation of earlier PhotoShop activities and is designed to add to the working proficiency of the student in this software. In addition, the student acquires in-depth knowledge of how the digital studio of today handles its production flow and prepress needs.  
*Prerequisite(s):* MDST\*3110, MDST\*3130

**MDST\*3160 Industrial Location Production W (3-3) [0.50]**  
 This course is designed to provide the advanced techniques associated with location photography. In addition, students are exposed to advanced location lighting associated with architecture, location fashion, editorial and interiors photography.  
*Prerequisite(s):* MDST\*3110, MDST\*3130  
*Restriction(s):* Registration in the Bachelor of Applied Arts program.

**MDST\*3170 Writing for Public Relations II W (3-0) [0.50]**  
 Students build on the skills learned in MDST 3080 Writing for Public Relations I. Writing for both traditional and electronic public relations vehicles is examined. Students have the opportunity to analyze and write several public relations vehicles including news releases, pitch letters, feature articles, promotional brochures and on-line newsletters. In-depth research for assignments is required.  
*Prerequisite(s):* MDST\*3080

<b>MDST*3180 Radio Broadcasting W (3-2) [0.50]</b>
This course introduces students to the radio industry in Canada, and the unique characteristics of radio as an information medium. Students study the basic skills required to produce various forms of information radio, including broadcast writing, interviewing and the use of sound and clips. They also practice audio editing, using digital software. The course provides an overview of journalistic radio formats, compares private and public radio, and requires students to analyze and evaluate their differences.
<i>Prerequisite(s):</i> MDST*2030, MDST*2050 <i>Restriction(s):</i> Registration in the Bachelor of Applied Arts program.
<b>MDST*3200 Photo-Based Practices W (3-2) [0.50]</b>
This course introduces students to a variety of historical and photo-based techniques, including staging and appropriation, through lectures and darkroom demonstrations. Creative cross-pollination and appropriation between the fine art and commercial photography markets are explored. Students experiment with alternative media and staged imagery through assigned projects.
<i>Prerequisite(s):</i> AHSS*2170, MDST*2510 <i>Restriction(s):</i> Registration in the Bachelor of Applied Arts program.
<b>MDST*4021 Senior Research Project F-W (3-0) [0.25]</b>
First part of the two-semester course MDST*4021/2. Refer to MDST*4021/2 for course description.
<i>Prerequisite(s):</i> 15.00 credits <i>Restriction(s):</i> Registration in the Bachelor of Applied Arts program.
<b>MDST*4021/2 Senior Research Project F-W (3-0) [1.00]</b>
This is the capstone course in the Media Studies program, providing students with the opportunity to explore an area of the field in an independent project. This course synthesizes both theoretical and practical learning acquired throughout the program and provides an opportunity for students to develop their portfolio in preparation for further studies or professional work. The project is selected by the student in consultation with faculty advisors in semester 7, and written in semester 8. This is a two-semester course: a grade will not be assigned to MDST*4021 until the completion of MDST*4022.
<i>Restriction(s):</i> Registration in the Bachelor of Applied Arts program.
<b>MDST*4022 Senior Research Project F-W (3-0) [0.75]</b>
Second part of the two-semester course MDST*4021/2. Refer to MDST*4021/2 for course description.
<i>Prerequisite(s):</i> MDST*4021 <i>Co-requisite(s):</i> 1 of: MDST*4060 (J); MDST*4070(PR); MDST*4130(IA) <i>Restriction(s):</i> Registration in the Bachelor of Applied Arts program.
<b>MDST*4040 Multimedia Journalism F (3-2) [0.50]</b>
In this advanced level course, students build on previous print, radio, television and web skills to produce two multimedia projects. After reviewing the current theories about and various uses of multimedia communication in Canada, students select one topic for each project. Each student then develops a print, radio, or television item covering different aspects of the topic. Each student will have an opportunity to work in at least two different media.
<i>Prerequisite(s):</i> AHSS*3080, MDST*3070, MDST*3090, MDST*3180
<b>MDST*4050 Examining Public Relations Sectors F (3-0) [0.50]</b>
In this course students have the opportunity to develop their organizational, analytical and critical thinking skills. Given parameters, students are responsible for selecting and briefing speakers, organizing and facilitating seminars, that address issues from a public relations perspective, and analyzing the merit of the information provided.
<i>Prerequisite(s):</i> MDST*2010, <i>Restriction(s):</i> Registration in the Bachelor of Applied Arts program.
<b>MDST*4060 Journalism Internship W (1-16) [1.50]</b>
Graduating students gain practical experience in their area of specialization by completing an eight-week internship during their final semester. During the seventh semester faculty meet with students to review the internship process and requirements. All internships require the completion of a portfolio including various written components that prepare students for the workplace and consolidate their understanding of their profession. Students must be enrolled as full-time during the semester they are completing the internship. A critical analysis of the workplace and a portfolio based on student's experience and acquired skills will be prepared.
<i>Prerequisite(s):</i> 17.00 credits <i>Co-requisite(s):</i> MDST*4022 <i>Restriction(s):</i> Registration in the Bachelor of Applied Arts program.

<b>MDST*4070 Public Relations Internship F (1-16) [1.50]</b>
Graduating students gain practical experience in their area of specialization by completing an eight-week internship during their final semester. During the seventh semester faculty meet with students to review the internship process and requirements. All internships require the completion of a portfolio including various written components that prepare students for the workplace and consolidate their understanding of their profession. Students must be enrolled as full-time during the semester they are completing the internship. A critical analysis of the workplace and a portfolio based on student's experience and acquired skills will be prepared.
<i>Prerequisite(s):</i> 17.00 credits <i>Co-requisite(s):</i> MDST*4022 <i>Restriction(s):</i> Registration in the Bachelor of Applied Arts program.
<b>MDST*4080 Globalization and the Global Media F (3-0) [0.50]</b>
In this course students examine how contemporary "globalization" and international relations link with revolutionary transformations in the global media, communications technology, and cultural industries. The course surveys and critically evaluates the major debates, critical perspectives, and theories pertaining to the political economy, history, and social-cultural aspects of globalization, global communication and media culture. By doing so, the course equips students with skills, knowledge, and attitudes that are required to communicate in globalized work environments.
<i>Prerequisite(s):</i> 10.00 credits <i>Restriction(s):</i> Registration in the Bachelor of Applied Arts program.
<b>MDST*4110 Advanced Editorial and Digital Editing F (3-3) [0.50]</b>
In this course students photograph interior spaces and people for professional publications and corporate annual reports. The business of location photography is studied as well as layout design for publication. The digital image-editing component of this course allows students to use various techniques and image-making strategies. Advanced techniques and colour management is also taught.
<i>Prerequisite(s):</i> MDST*3140, MDST*3150, MDST*3160 <i>Co-requisite(s):</i> MDST*4140 <i>Restriction(s):</i> Registration in the Bachelor of Applied Arts program.
<b>MDST*4130 Image Arts Internship W (1-18) [1.50]</b>
Graduating students gain practical experience in their area of specialization by completing an eight-week internship during their final semester. During the seventh semester faculty meet with students to review the internship process and requirements. All internships require the completion of a portfolio including various written components that prepare students for the workplace and consolidate their understanding of their profession. Students must be enrolled as full-time during the semester they are completing the internship. A critical analysis of the workplace and a portfolio based on student's experience and acquired skills will be prepared.
<i>Prerequisite(s):</i> 17.00 credits <i>Co-requisite(s):</i> MDST*4022 <i>Restriction(s):</i> Registration in the Bachelor of Applied Arts program.
<b>MDST*4140 Advanced Commercial and Corporate Photography F (3-3) [0.50]</b>
Illustrative commercial and corporate portraiture places an emphasis on photographing advertised product and business style portraits shot on location. A variety of illustrative photographic techniques and styles are studied and professional quality images produced.
<i>Prerequisite(s):</i> MDST*3140, MDST*3150, MDST*3160 <i>Co-requisite(s):</i> MDST*4110 <i>Restriction(s):</i> Registration in the Bachelor of Applied Arts program.
<b>MDST*4910 Independent Study in Journalism S,F,W (3-0) [0.50]</b>
The independent study course is designed to provide senior undergraduate students with an opportunity to pursue library, field research or project under faculty supervision and to prepare a research report of literature review. Formal agreement between the student and the faculty supervisor is required, as is approval of the program head.
<i>Prerequisite(s):</i> 15.00 credits <i>Restriction(s):</i> Instructor consent required. Registration in the Bachelor of Applied Arts program.
<b>MDST*4920 Independent Study in Public Relations S,F,W (3-0) [0.50]</b>
The independent study course is designed to provide senior undergraduate students with an opportunity to pursue library, field research or project under faculty supervision and to prepare a research report of literature review. Formal agreement between the student and the faculty supervisor is required, as is approval of the program head.
<i>Prerequisite(s):</i> 15.00 credits <i>Restriction(s):</i> Instructor consent required. Registration in the Bachelor of Applied Arts program.

**MDST\*4930 Independent Study in Image Arts S,F,W (3-0) [0.50]**

The independent study course is designed to provide senior undergraduate students with an opportunity to pursue library, field research or project under faculty supervision and to prepare a research report of literature review. Formal agreement between the student and the faculty supervisor is required, as is approval of the program head.

*Prerequisite(s):* 15.00 credits

*Restriction(s):* Instructor consent required. Registration in the Bachelor of Applied Arts program.

## Psychology

### PSYC\*1130 Developmental Psychology W (3-0) [0.50]

This course will provide an introduction to the major theories of developmental psychology. Emphasis will be placed on the processes of development in the child including physical growth, perception, cognition, personality and interactions with the social environment. The application of developmental psychology to educational and social issues will be discussed.

### PSYC\*2120 Quantification In Psychology F (3-0) [0.50]

This course is an introduction to statistical methods and research.

### PSYC\*2130 Social Psychology F (3-0) [0.50]

This course is an introduction to the content and methodology of social psychology. Content includes social perception, attraction, conflict, conformity, aggression, group dynamics, and attitude change. Methods include examples of important social psychological experiments and both surveys and correlation analysis which are the most common methods of investigation.

### PSYC\*2140 Learning and Cognition F (3-0) [0.50]

This course introduces the theories, methods and applications of cognitive psychology. Included in the comprehensive coverage of human information processing and learning are topics such as pattern recognition, attention, memory, language, reasoning and problem solving.

### PSYC\*2150 Personality W (3-0) [0.50]

This course reviews the major personality theories, their development and research findings and comparisons and criticism of each. Details of the theories lives and impact will be briefly reviewed. The status and future of personality research methodology will also be examined.

### PSYC\*2160 Neuroscience W (3-0) [0.50]

This course is an introduction to the anatomical, physiological and neurochemical structure and function of the nervous system. The course emphasizes the link between brain mechanisms and behaviour. Of particular interest will be the acquisition of environmental signals, the control of movement, the regulation of food and water, sleep, sex and the psycho-physiological aspects of stress and emotion.

### PSYC\*3130 Psychological Measurement F (3-0) [0.50]

This course is an introduction to psychological measurement and the measurement procedures presently used in psychology. Coverage will include such topics as reliability, validity, test construction, and the measurement of ability, personality, attitudes, interest and achievement.

### PSYC\*3140 Abnormal Psychology F (3-0) [0.50]

This course examines current theory and research in the field of abnormal psychology in terms of various models (biological, behavioural, social and psychodynamic). Selected topics may include: stress and anxiety, affective disorders, schizophrenia, personality disorders and mental health.

*Prerequisite(s):* PSYC\*2150

### PSYC\*3150 Drugs and Behaviour W (3-0) [0.50]

This course develops a critical understanding of contemporary psychological approaches to addiction. Students are introduced to psychological theories of addiction from the fields of biological, behavioural, social and cognitive psychology, and the research and clinical evidence that support them. Students consider the relative contribution of each approach to the understanding, treatment and prevention of both drug-related addictions and selected addictive behaviours, such as gambling and eating.

*Prerequisite(s):* PSYC\*2140 and 10.00 credits

### PSYC\*3160 Learning Difficulties and Disabilities W (3-0) [0.50]

This course covers applied and theoretical aspects of intellectual disabilities, and lays a foundation for work in the area of intellectual disabilities.

### PSYC\*3170 Persuasion and Facilitation W (3-0) [0.50]

This course will expose students to persuasion, and facilitation, which has been of interest to human beings through the ages. From the ancient Greeks to the executives on Madison Avenue, persuading and influencing others has been a primary concern. This course is designed to expose students to the theories, principles, and strategies relevant to persuasion and will help students become familiar with empirical investigations on persuasion and compliance-gaining. The course also focuses on how empirical findings and theory may be applied to our daily interactions.

*Prerequisite(s):* 10.00 credits including PSYC\*2130

### PSYC\*3610 Organizational Psychology U (3-0) [0.50]

This course examines current theories and practices in organizational psychology. Selected topics may include motivation, turnover, absenteeism, leadership, job design, work attitudes, organizational justice, organizational development, and change.

*Prerequisite(s):* PSYC\*2130

### PSYC\*3620 The Psychology of Sport U (3-0) [0.50]

This course examines individual and group behaviour in physical activities and sports. Emphasis will be placed on understanding psychological concepts which are pertinent to sports, e.g., motivation, social and personality development, cognition, leadership and group dynamics.

*Prerequisite(s):* AHSS\*1110, AHSS\*1120, PSYC\*2130

### PSYC\*3630 Psychology and Education U (2-1) [0.50]

This course examines the theoretical and empirical bases for learning and teaching and their application to an array of contexts, particularly the fields of education and parenting. The content addressed includes various theories of teaching and learning, cognitive and moral development, and motivation, as well as instructional planning, classroom management, and assessment of student learning. The course focuses on the current, and sometimes controversial, issues which are at the forefront of research on the relationship between principles and educational practice.

*Prerequisite(s):* PSYC\*1130 or permission of the instructor

### PSYC\*3640 The Psychology of Death and Dying U (3-0) [0.50]

This course is an examination of the theory, issues and research in the psychology of death and dying. Emphasis upon the cognitive operations used to process about death and the influence of death constructs in daily life. Topics include the development of death constructs throughout the life-span, death anxiety in society, the needs of a dying person, the psychology of grieving, and unexpected losses, such as death by suicide or miscarriage.

*Prerequisite(s):* 1 of : PSYC\*1130, PSYC\*2130, PSYC\*2150 or permission of the instructor

### PSYC\*4120 Culture and Diversity F (3-0) [0.50]

This course evaluates theories of how people are influenced by their social environment and culture. It offers students the opportunity to develop the knowledge, attitudes, and skills necessary for effective applications of psychological science a multi-cultural, multi-racial society.

*Prerequisite(s):* 10.00 credits including PSYC\*2130

*Restriction(s):* Restricted to the B.A.Sc.(PSYC) program.

### PSYC\*4130 Applications of Psychology F (2-1) [0.50]

This course will acquaint students with the ways in which psychological research and techniques can be applied to areas such as law, business, education, and the health sciences. This senior seminar course will offer students an opportunity to gain in-depth familiarity with research applications in their field of interest.

*Prerequisite(s):* 10.00 credits

*Restriction(s):* Restricted to the B.A.Sc.(PSYC) program.

### PSYC\*4140 Applied Research Project I F (2-1) [0.50]

This course is an opportunity for students to gain first-hand experience in carrying out a piece of psychological research in an applied setting. In this first of two courses, the focus will be on designing an applied research project and conducting a review of the relevant literature. Under the supervision of a faculty member, small groups of students develop a research proposal and make a formal technology-based presentation to the class.

*Prerequisite(s):* PSYC\*2120, PSYC\*2130, SCMA\*2040

*Restriction(s):* Restricted to the B.A.Sc.(PSYC) program.

### PSYC\*4150 Applied Research Project II W (2-1) [1.00]

This course focuses on implementing and completing the applied research project that was proposed in Applied Research Project I. Under the supervision of a faculty member, small groups of students conduct the approved project in the proposed setting, analyze the data collected and report on the progress of the project in a formal oral presentation.

*Prerequisite(s):* PSYC\*4140

*Restriction(s):* Restricted to the B.A.Sc.(PSYC) program.

### PSYC\*4160 Mediation and Conflict Resolution W (3-0) [0.50]

This course focuses on the research and theories underlying the skills and techniques used to reach resolution in a variety of conflict situations. Through lectures, group work and role-playing, students study the fundamental principles of negotiation, mediation and conflict resolution. Students have the opportunity to reflect on their own style of conflict resolution and the relevance of course material to their own lives.

*Prerequisite(s):* 15.00 credits

*Restriction(s):* Restricted to the B.A.Sc.(PSYC) program.

**SCMA****SCMA\*1000 Business Statistics W (3-0) [0.50]**

This course provides an introduction to business and economic statistics to be used by persons employed in the fields of management, accounting, marketing, business and public administration. It examines descriptive and inferential techniques used in quantitative business research. Topics covered include sampling, data organization, hypothesis testing and measures of association to provide the student with skills needed to perform basic analyses and to understand research literature.

**SCMA\*1010 Calculus For Computing I F (3-4) [0.50]**

This is the first half of the primary calculus curriculum for the distributed computing program. Topics include: an intuitive view of limits; the derivative from definition; derivative rules including the chain rule; derivatives of polynomials, logarithmic and exponential functions; compound angles formulas for trigonometric functions; derivatives of trigonometric functions. Background theory is covered: the four-step rule, Rolle's theorem and the mean-value theorem, the binomial theorem. Other topics include: locating local maxima and minima of a function of a single variable; curve sketching; the definite integral; indefinite integrals: polynomials, the exponential function, logarithms; the fundamental theorem of calculus with applications such as area. Students are introduced to partial derivatives and the derivatives of implicit functions; ordinary differential equations. Use of symbolic mathematics packages is emphasized.

**SCMA\*1090 Foundations of Social Science W (3-0) [0.50]**

This course introduces students to the philosophical and historical foundations of the social sciences. Through class discussions and lectures students will be encouraged to question and analyze the "taken for granted" elements basic to the development of the social sciences. The theses of the course are that "social science" is one of many ways of "making sense" of our experience and that this "sense making" exercise must be based upon an understanding and integration of theories in all of the social sciences.

**SCMA\*1020 Calculus For Computing II W (3-4) [0.50]**

This is the second half of the primary calculus curriculum for the distributed computing program. Topics include: inverse trigonometric functions; hyperbolic and inverse hyperbolic functions; L'Hôpital's rule; integration by parts; improper integrals; polar coordinates; sequences and series; Cauchy convergence criteria; Taylor and MacLaurin expansions; Lagrange Interpolation Formulas for approximations to functions, interpolation and curve fitting; numerical integration: the trapezoidal rule and other numerical techniques; introduction to recursion and recursive functions; introduction to multiple integrals; introduction to functions of a complex variable. Use of symbolic mathematics packages is emphasized.

*Prerequisite(s):* SCMA\*1010

**SCMA\*1030 Biology of Aging F (3-0) [0.50]**

This course familiarizes learners with basic concepts concerning the biological basis of aging and how it affects key body systems; interventions that may modify the rate of aging; developmental and treatment issues in old age; and the psychological, environmental, socio-economic, gender and cultural issues which may influence physiological aspects of aging. Included is an overview of the biological processes underlying aging at the molecular, cellular, organismal and population levels, presented in a comparative and evolutionary context. Distinctions between normal and abnormal processes are discussed using a body systems approach. Specific diseases common to advanced age are reviewed along with various treatment methods.

**SCMA\*1040 The Science of Everyday Life F (3-0) [0.50]**

Students examine the basic sciences through presentations and demonstrations of every day items and issues. This includes familiar objects and areas of knowledge, such as automobiles, airplanes, computers, drugs, and the recently completed human genome project. The course also covers the representation of scientific issues in the mass media, and the ethical and political dimensions of forensic science, the environment, and food.

**SCMA\*1050 Astronomy: Discovering Our Place in the Universe W (3-0) [0.50]**

Using both historical and contemporary data, students examine the planets, the life cycle of stars, the nature of galaxies, and the origin and future of the cosmos. An understanding of the scientific process, from raw data to the formulation of physical laws, provides an underlying thread to the course. Students describe and explain the evolution of astronomical knowledge, and apply their understanding through direct observation.

**SCMA\*2000 Quantitative Methods in Business F (3-0) [0.50]**

Quantitative Methods provides a study of appropriate mathematical models that are applied to business situations including production, finance and marketing. Quantitative Methods to be examined include Decision Analysis, Linear Programming, Forecasting and Project Management. The course also provides an introduction to Statistical Process Control.

*Prerequisite(s):* SCMA\*1000

*Restriction(s):* Registration in the Bachelor of Business Administration program.

**SCMA\*2020 Basic Concepts of Anatomy and Physiology F (3-0) [0.50]**

This course introduces the student to the study of human anatomy and physiology. An integrated and systemic approach provides the student with the background concepts to understand anatomical and physiological development for children and adolescents.

*Restriction(s):* Registration in the Bachelor of Applied Science - Early Childhood program.

**SCMA\*2040 Research Methods for Social Science F (3-0) [0.50]**

This course is a general introduction to the contemporary research methods that are employed in the social sciences. Emphasis will be placed on understanding the process of social research and how it relates to theory development and problem investigation. Qualitative and quantitative techniques and applications will be discussed. Other topics will include: ethics and politics of social research, the nature of causation, conceptualization, operationalization, development of hypotheses, and sampling techniques. Research examples will be a key aspect of the lectures and seminars.

*Prerequisite(s):* 3.00 credits

**SCMA\*2050 The Science of Healthy Living F (3-0) [0.50]**

This course examines the scientific bases for practices that are consistent with improving, maintaining or enhancing healthy living. Evidence-based population health research is discussed as the mechanism for identifying factors that influence health in population or sub-population groups. The scientific method for developing hypotheses and theories is explored as it relates to recommendations for psychological wellness, healthy eating, active living and healthy weights. The evidence for lifestyle risk factors as contributors to the development of chronic disease is discussed. Assignments evaluate the scientific evidence for popular diets and alternative health care practices.

**SCMA\*3000 Probability & Statistics W (3-0) [0.50]**

Probability, statistical inference and process control are presented, with a specific emphasis on the role of statistics and probability in computer and network performance modelling and monitoring, reliability and fault-tolerance. The course introduces elementary data analysis. Students are introduced to systematic methods for producing data: study design; the scientific method. Theoretical concepts are explored: normal distribution; the concept of independence, methods for calculating probabilities; conditional probabilities and Bayes' theorem; discrete distributions, including binomial; expected values; variances and covariances of random variables; continuous random variables. An understanding of statistical inference is developed: populations; samples; estimates; comparing means of two continuous variables; inference for count data; correlation and regression. Students are introduced to statistical process control: causes of variation; control charts for variables data.

*Prerequisite(s):* 4.00 credits, SCMA\*1010, SCMA\*1020

*Restriction(s):* Registration in the Bachelor of Applied Computing program.

**SCMA\*3010 Research Methods in Business F (3-0) [0.50]**

This course examines contemporary research methods employed in business. Emphasis is placed on understanding the process of business research and how it relates to theory development, problem investigation, and management questions. Qualitative and quantitative techniques and applications are discussed. Other topics include ethics and politics of research, the nature of causation, conceptualization, measurement, development of hypotheses, data description, statistical analysis, sampling techniques, and preparation of case studies. Research examples and case studies are key aspects of the lectures and seminars.

*Prerequisite(s):* 5.00 credits, SCMA\*2000

**SCMA\*3020 Statistics for Media Studies: Risk, Polling and Technical Reports W (3-1) [0.50]**

This course provides a well grounded introduction to statistical analysis as applied to media studies. It introduces such topics as descriptive statistics, frequency distributions, graphing, tabulation of data, variability, elementary probability, hypothesis testing, simple linear regression, and correlation.

*Prerequisite(s):* 7.50 credits

**SCMA\*3040 Quantitative Methods for Social Science F (3-1) [0.50]**

The course introduces descriptive and inferential techniques used in quantitative social research. Students will acquire the skills needed to perform statistical analyses and to read the research literature. A standard statistical computer package will be used to perform data analyses. Topics include: data organization, sample description, hypothesis testing and measures of association.

*Prerequisite(s):* SCMA\*2040