

take certain courses offered in the graduate program. Prerequisites: Permission of both the graduate program director and the course director; a minimum grade of B+ in an upper-level studies course.

FA/MUSI 4590 3.00 Honours Project in Music. A special project option open to fourth-year students who have shown an exceptional ability to study independently and who have designed a course that cannot be accommodated elsewhere in the department's offerings. At the end of the year, the student's work is evaluated on the basis of one or more of the following: a recital, composition, research paper, or lecture-recital. Note: See departmental calendar for specific requirements. Prerequisite: Permission of the curriculum committee.

FA/MUSI 4590 6.00 Honours Project in Music. A special project option open to fourth-year students who have shown an exceptional ability to study independently and who have designed a course that cannot be accommodated elsewhere in the department's offerings. At the end of the year, the student's work is evaluated on the basis of one or more of the following: a recital, composition, research paper, or lecture-recital. Note: See departmental calendar for specific requirements. Prerequisite: Permission of the curriculum committee.

FA/MUSI 4590B 6.00 Honours Project II.

FA/MUSI 4600 6.00 Sonic Enhancement of Healing and Learning. A seminar exploring the use of sound, in conjunction with colour and other subtle energies, as tools for the enhancement of healing, learning and creative activity in the context of recent literature from the disciplines of metaphysics, physics, biology, psychology, phonology, thanatology, colour theory and music composition. Prerequisite: An upper-level studies course, or permission of the course director.

Natural Science – Atkinson, Glendon and Pure and Applied Science

Atkinson:

Office:

School of Analytic Studies and Information Technology
2005 Technology Enhanced Learning Building, Tel: 416-736-5232, Fax:
416-736-5188, e-mail: sasit@yorku.ca

Coordinator of Science and Technology Studies:

E. Hamm

Associate Professors Emeriti:

L.M. Bianchi, W.L. Hine

Assistant Professors:

E. Hamm, D. Lungu

Special Assistant Professor:

R. Dyer

Sessional Assistant Professor:

T. Abraham

Note: AK/NATS courses are part of Atkinson's general education requirement. General education courses do not fulfill elective requirements.

Note: Natural science courses are part of the general education requirements of the Atkinson Faculty and York University. The Atkinson natural science courses are administered by the Science and Technology Studies Program. These courses aim to introduce students who are not majoring in the sciences to some of the most important aspects of scientific thinking, to the character of scientific judgements and to the place of science in society. Atkinson's natural science courses emphasize that a proper appreciation of the content of science requires a consideration of the larger historical, philosophical, social and political contexts of science. Unless otherwise stated the following courses do not require a specific prior knowledge of mathematics and science.

Note: Students who have successfully completed humanities, social science and mathematics/modes of reasoning may take a science and technology studies course to fulfill the natural science general education requirement. Exclusion: Science and technology studies and general

science majors may not take AK/STS 1010 6.00 or AK/STS 2010 6.00 to satisfy their natural science general education requirement.

Glendon:

Department Offices/Bureaux du département :

160-161 York Hall 416-487-6732

Chair of the Department/Directeur du département :

Y. Frenette

Professors/Professeurs titulaires :

A. Baudot, B.N. Olshen

Professors Emeriti/Professeurs émérites :

A. Sangster, Natural Science; S. Zimmerman, Natural Science

Associate Professors/Professeurs agrégés :

J. Couchman, A.D.J. Hopkins, B.B. Price, M.-F. Silver

Associate Professor Emeritus/Professeurs agrégés émérite :

D. Schiff, Natural Science

Assistant Professor/Professeur adjoint :

J. Martel

Note: Courses whose numbers have 1 or 2 as the first digit are open to first-year students.

N.B. : Les cours dont le numéro commence par le chiffre 1 ou 2 sont ouverts aux étudiants de première année.

Science:

Division Office:

126 Chemistry Building, 416-736-5021

Director of the Division:

P.A. Delaney

Professors:

N. Bartel, R.A. Jarrell, L.E. Licht, M.L. McCall, I.C. McDade, J. Sapp

Professors Emeriti:

J. Heddle, R. Koehler

Associate Professor:

S. Jeffers

Assistant Professor:

P. Hall

Associate Lecturers:

E.C. Gardonio, N. Smith, B. Wall, P.J. Wilson

Faculty of Pure and Applied Science Courses in Natural Science

The natural science courses are designed, as part of the general education program, to acquaint those students not intending to be professionally concerned with science with the outlook, methods and some of the achievements of science. The individual courses offered approach this objective by selecting a particular area, problem or aspect of science in which the operations of the scientific enterprise can be studied in some detail.

The courses may be broadly classified into four areas, within which some overlap occurs, resulting in degree credit exclusions as noted. However, in certain circumstances, such exclusions are petitionable. The four categories are as follows:

a) History and philosophy of science and technology (with science laboratories and/or tutorials): SC/NATS 1710 6.00, SC/NATS 1730 6.00, SC/NATS 1760 6.00;

b) Biological science: SC/NATS 1610 6.00, SC/NATS 1620 6.00, SC/NATS 1650 6.00, SC/NATS 1660 6.00, SC/NATS 1680 6.00, SC/NATS 1690 6.00, SC/NATS 1695 6.00, SC/NATS 1850 6.00;

c) Environmental science: SC/NATS 1640 6.00, SC/NATS 1770 6.00, SC/NATS 1840 6.00;

d) Physical science: SC/NATS 1720 6.00 (also has a psychological component), SC/NATS 1740 6.00, SC/NATS 1750 6.00, SC/NATS 1780 6.00 (has an environmental aspect), SC/NATS 1790 6.00, SC/NATS 1810 6.00, SC/NATS 1820 6.00, SC/NATS 1830 6.00.

The natural science courses are intended primarily for non-science majors. Courses in biology, chemistry, earth and atmospheric science, physics and astronomy and other science disciplines are described

elsewhere in this section of the Calendar. Those courses are available, subject to prerequisites, as electives to students in the Faculties of Arts and Fine Arts. Six credits from 1000-level courses offered by the departments of Biology, Chemistry, Earth and Atmospheric Science, Physics and Astronomy, will satisfy the Faculty of Arts natural science general education requirement.

Grading Procedure. Grades will be assigned in the manner described by the Faculty of Pure and Applied Science in the Faculty of Pure and Applied Science Regulations Governing Examinations and Academic Standards section of this Calendar.

Not all natural science courses will be offered in any given year. The contact hour information in the course outlines below specifies the number of hours per week when the course is taught in the daytime in a fall/winter session. If the course is offered in a summer session, the format and scheduling may be different, though equivalent in credit value. For all such scheduling details, students should consult the Lecture Schedules or the natural science mini-calendar which is published in March of each year.

The natural science courses all follow the Faculty of Arts sessional dates.

For a list of Atkinson Faculty of Liberal and Professional Studies courses which are degree credit exclusions for natural science courses in this Calendar, Faculty of Arts students should consult the Faculty of Arts degree credit exclusion/equivalent tables in the Lecture Schedules on the Web. Science students should consult the Faculty of Pure and Applied Science degree credit exclusion/equivalent tables in the Lecture Schedules on the Web and in the Office of Science Academic Services beginning in March each year.

Courses in Natural Science

GL/NATS 1400 6.00 Science, Faith and Science Fiction. This course explores selected topics in the history of modern science and its complex dialogue with Western religion. Changes in our conceptions of human nature and God are examined through our critical reading of science-fiction (sf), a literature that has served both to celebrate and to criticize modern science. Degree credit exclusions: GL/NATS 1830 3.00 and GL/NATS 1011 6.00 (Fall/Winter 1997-1998, Fall/Winter 1998-1999).

GL/NATS 1500 6.00 Nutrition, santé et société. Une étude de la façon dont notre corps absorbe et utilise nos aliments. Une perspective scientifique permet de comprendre le rôle des éléments nutritifs et leur interaction dans la croissance, la régénération et le règlement des fonctions vitales.

Language of Instruction: French

GL/NATS 1520 6.00 Environnement : Quel avenir? Le cours a pour objet les interactions et les équilibres délicats qui sont à l'oeuvre dans la biosphère. Une attention toute particulière sera accordée aux substances polluantes – à leur production et à leur dispersion dans l'environnement ainsi qu'aux techniques permettant de les contrôler. Cours incompatible: GL/NATS 1760E 3.00.

Language of Instruction: French

GL/NATS 1540 6.00 Introductory Biology. This course is an introduction to the diversity of life. It is designed for non-science majors. To develop an understanding of the many ways living organisms are related, disciplines such as genetics, cell biology, evolutionary biology and ecology will be used.

GL/NATS 1540 6.00 Principes de biologie. Ce cours se veut une introduction à la diversité du monde vivant. Il est conçu pour les étudiants en arts libéraux. Pour bien comprendre les multiples relations entre les organismes vivants, la génétique, la biologie cellulaire, la biologie évolutive et l'écologie seront utilisées.

Language of Instruction: French

GL/NATS 1605 6.00 Communication, Health and Environment. This multidisciplinary course connects the three areas of communication, health and environment. This allows students to get a taste of different disciplines and approaches before deciding what to specialize in.

Cross-listed to: GL/NATS 1605 6.00 and GL/SOSC 1605 6.00

SC/NATS 1610 6.00 The Living Body. Some aspects of human biology, including structure and function, reproduction, physiology, genetics and a study of some human diseases. Laboratories are self-paced, scheduled audio-tutorials involving demonstrations, experiments and observations. Three lecture hours, one laboratory hour. Two terms. Six credits. Degree credit exclusions: SC/NATS 1620 6.00 (taken before 2001-2002), SC/NATS 1660 6.00, SC/NATS 1690 6.00. Not open to students enrolled in Biology programs.

SC/NATS 1620 6.00 Human Biology: Brain and Behaviour. The first term examines nerve cells, drug action, visual and auditory systems, and neural bases of learning and memory. Brain imaging is discussed. The second term focuses on muscle control, brain development, human genetics and brain evolution. Three lecture hours for two terms, two laboratory hours for one term. Six credits. Degree credit exclusion: Not open to students enrolled in Biology programs.

SC/NATS 1640 6.00 Biology and the Environment. This course provides an understanding of the fundamental biological and ecological principles influencing the environment. The impact of the human species on the biosphere and inter-relationships with all living organisms are discussed in the context of environmental concerns. Three lecture hours, one tutorial hour. Two terms. Six credits. Degree credit exclusions: SC/NATS 1690 6.00, SC/NATS 1770 6.00, SC/NATS 1840 6.00, ES/ENVS 1500 6.00. Not open to students enrolled in Biology programs.

SC/NATS 1650 6.00 Human Anatomy for the Fine Arts. An introductory course on the structure and function of the human body specifically oriented towards the needs of students in Fine Arts. Body systems are studied from anatomical, physiological and biomechanical perspectives. Included as well are on-going references to nutrition, athletic injuries, and health and wellness. Two lecture hours, two laboratory hours. Two terms. Six credits. Degree credit exclusions: AS/SC/KINE 2031 3.00, AS/SC/KINE 3070 3.00, AS/SC/PHED 2070 3.00, SC/PHED 2070 4.00, AS/PHED 3070 3.00, SC/PHED 3070 4.00.

SC/NATS 1660 6.00 The Biology of Sex. This course investigates the role of sexual reproduction in the living world. The cellular, physiological and genetic bases of sex are discussed. Other topics include sexual behaviour and the influence of sexual reproduction on evolution. Three lecture hours for two terms, two laboratory hours for one term. Six credits. Degree credit exclusions: SC/NATS 1610 6.00, SC/NATS 1690 6.00. Not open to students enrolled in Biology programs.

SC/NATS 1680 6.00 The Genetic Revolution. This course examines the impact of recent genetic discoveries on medicine, agriculture and industry. New technologies employ enzymes to cut and splice DNA from different organisms. This has the potential to benefit human society but gene manipulations raise important ethical questions. Three lecture hours, one tutorial hour. Two terms. Six credits. Degree credit exclusions: SC/NATS 1800J 6.0A, SC/NATS 1800J 6.0B, SC/NATS 1850 6.00, SC/BC 1850 6.00. Not open to students enrolled in Biology programs.

SC/NATS 1690 6.00 Evolution. This course concerns the origin and diversification of life forms on Earth. Students are introduced to the historical development of evolutionary theory, classification of living things and to scientific explanations of how biological diversity has arisen. Three lecture hours for two terms, two laboratory hours for one term. Six credits. Degree credit exclusions: SC/NATS 1610 6.00, SC/NATS 1640 6.00, SC/NATS 1660 6.00, SC/NATS 1695 6.00. Not open to students enrolled in Biology programs.

SC/NATS 1695 6.00 Evolution and the Diversity of Life. An introductory overview of some of the major issues, concepts and theories concerning evolution and the diversity of life from the rise of Darwinism in the 19th century, to molecular biology and global ecology in the second half of the 20th century. Three lecture hours, one tutorial hour. Two terms. Six credits. Degree credit exclusions: SC/NATS 1690 6.00, AK/NATS 1770 6.00. Not open to students enrolled in Biology programs.

AK/NATS 1700 6.00 Computers, Information and Society. Selected survey of the history of computing, information technology and communication and critical discussion of their social impact.

AK/NATS 1710 6.00 The Nature and Growth of Science. A course designed to introduce students to the scientific attitude through an exploration of the development and present character of certain major ideas in science. The emphasis will be on the social, religious and philosophical significance of these ideas. There will be extensive discussion of the lives of major scientists and of the place of science in history. The central themes are the ways in which scientific ideas arise and how they gain acceptance.

SC/NATS 1710 6.00 The Nature and Growth of Scientific Thought. Science is examined as an intellectual activity. Emphasis is placed on the evolution of some key concepts to show the nature and methodology of natural science, the development of scientific ideas and their grounding in experience. Three lecture hours plus scheduled laboratory sessions. Two terms. Six credits. Degree credit exclusion: SC/NATS 1730 6.00.

AK/NATS 1720 6.00 Exploration of the Universe. A study of the universe and the science of astronomy. The course will include such topics as: modern astronomical tools and techniques, the solar system, the sun, stellar astrophysics, galaxies, relativity and the expanding universe, cosmology and the question of life in the universe. The course may include observations and laboratory sessions.

SC/NATS 1720 6.00 Light and Sound. An introduction to the physics, physiology and psychology of light and sound, together with some of the historical background and philosophical implications of these studies. Three lecture hours plus scheduled laboratory sessions. Two terms. Six credits.

AK/NATS 1730 6.00 Extraterrestrial Life. Science's search for life in the solar system and beyond. What is terrestrial life? How did it arise and evolve? What chances are there that something similar may have developed elsewhere in the universe? How can we find out?

SC/NATS 1730 6.00 Science as Discovery. A study of the nature of scientific discovery based on several case histories, including the Ptolemaic and Copernican planetary theories, the Newtonian mechanist system, Darwin's theory of evolution, Einstein's relativity and Watson and Crick's discovery of the structure of DNA. Three lecture hours, one tutorial hour. Two terms. Six credits. Degree credit exclusion: SC/NATS 1710 6.00.

AK/NATS 1740 6.00 The Earth in Time and Space. A study of the major ideas of modern geoscience. Topics may include the development of ideas about the solar system and the earth's history, the methods of dating the earth and astronomical objects, processes which sculpt the earth's surface, climate and theories of climate change, ocean tides and currents, mountain building, the earth's interior, the concept of continental motion, theories of the nature of the universe and of the origin of stars and galaxies, the origin and evolution of life and the possibility of life elsewhere. The course emphasizes scientific method and attitudes; it does not require technical training.

SC/NATS 1740 6.00 Astronomy. A discussion of our present understanding of the universe and its constituents. Topics include the structure and evolution of the planets, stars, galaxies and the universe as a whole. Three lecture hours per week, two-hour laboratory sessions every second week. Two terms. Six credits. Degree credit exclusion: Not open to any student who has passed or is taking SC/PHYS 1070 3.00.

AK/NATS 1750 6.00 History of Astronomy. Astronomy from a historical perspective. A selective survey of astronomical knowledge, techniques, applications and uses from the earliest civilizations to the present.

SC/NATS 1750 6.00 The Earth and Its Atmosphere. Topics addressed concerning the Earth include geochronology, seismology, geomagnetism and plate tectonics. Topics addressed concerning the atmosphere include the general circulation, climate change, ozone depletion, weather and violent storms. Three lecture hours, one tutorial hour. Two terms. Six credits. Degree credit exclusions: SC/NATS 1780 6.00. Not open to any student who has passed or is taking a course in earth and atmospheric science.

AK/NATS 1760 6.00 Science, Technology and Society. A study of the intellectual and social nature of science and technology, their similarities and differences. The course may deal with the impact of scientific and technological advancements on societies, both past and present. Among the topics discussed are the problems of industrial growth, energy, pollution, governmental policy on science and the humanities, and the future of technological societies.

SC/NATS 1760 6.00 Science and Technological Change. The relationship and interaction between science and technology are explored through a number of topics, both biological and physical. Specific topics discussed may vary from year to year, but most have relevance to our everyday lives and life-styles. Three lecture hours, one tutorial hour. Two terms. Six credits.

AK/NATS 1770 6.00 The Origin, Nature and Diversity of Life. This course will introduce life's major biological processes and diversity, and consider implications of modern biology for people. Emphasis may vary among sections but will include: philosophy and practice of science, structure and function of living organisms, genetics and evolution, animal behaviour and ecology.

GL/NATS 1770 6.00 Heredity and Society. A study of genetic variation in individuals and populations and the genetic basis of evolution. Specific attention is focused on human genetic knowledge and technology.

SC/NATS 1770 6.00 Technology and the Environment. Basic scientific principles and reasoning need to be applied to environmental pollution. Underlying causes of the present difficulties and current technological solutions are examined. Some ecological and societal aspects of pollution are discussed. Three lecture hours per week, one tutorial hour every second week. Two terms. Six credits. Degree credit exclusions: SC/NATS 1640 6.00, SC/NATS 1840 6.00.

AK/NATS 1780 6.00 Technology and Civilization. A study of the most important technological advances and their impact upon civilization, this course will focus upon selected important innovations (e.g. mechanized agriculture, wind, water, steam and nuclear power generation, aviation and railways and communications).

SC/NATS 1780 6.00 Weather and Climate. The weather and health of our atmosphere affect us all. This course provides an overview of the Earth's atmosphere; its chemistry, physics and dynamics; an introduction to meteorology and weather forecasting; and a discussion of climate. Canada's weather and climate are emphasized. Three lecture hours, one tutorial hour. Two terms. Six credits. Degree credit exclusion: SC/NATS 1750 6.00.

AK/NATS 1790 6.00 Science and the Environment. An examination of our dual role as a biological component of the ecosystem of which we are a part, as well as managers of that same ecosystem. Emphasis may vary among sections. The course is divided into four inter-related areas: 1) examination of environmental problems, 2) physical, chemical and biological principles pertinent to ecological problems, 3) evolutionary and ecological principles, 4) ecological management and problem solving.

SC/NATS 1790 6.00 The Science of Flight. This course presents basic physical principles by studying various aspects of aircraft and flying. Topics include properties of air as a fluid, aero-engines, basic theory of flight, principles of aircraft instruments and navigation and processes which influence the weather. Three lecture hours, one tutorial hour. Two terms. Six credits.

GL/NATS 1800 3.00 Evolution and Ecology of Humans. This course contrasts the ecological conditions attendant upon early human evolution with the complex environmental situations now faced by modern technological societies. Essential themes are Darwinism, the effect of earlier cultures upon the environment and selected modern examples in human ecology.

AK/NATS 1800 6.00 Science and Everyday Phenomena. How do scientists approach familiar things and everyday phenomena? What kinds of assumptions do they make about them? Why do they turn the obvious into problems?

AK/NATS 1810 6.00 Science and Creativity. A course designed to investigate the creative part of scientific investigation, how creativity of the individual scientist reflects upon theory and practice. Specific examples will be studied in their historical, philosophical, sociological and psychological aspects.

SC/NATS 1810 6.00 Energy. Conversion technology of current and possible future energy sources is described. The extent of the resource base of each and the environmental consequences of utilization are discussed, with emphasis on nuclear power and energy policies of Ontario and Canada. Three lecture hours, one tutorial hour. Two terms. Six credits. Degree credit exclusions: SC/NATS 1800C 6.00, SC/BC 1810 6.00.

AK/NATS 1820 6.00 Human Development. A study of biological development of the human being including the formation of germ cells, the process of fertilization, early embryological development, transmission of genetical and chromosomal characteristics and the histology of growing tissues. Where necessary, observations and experiments are employed. Emphasis may be placed on child development, learning, or on human evolution.

SC/NATS 1820 6.00 Molecules and the Mind. A study of the role of chemistry in contemporary society. Relevant topics are selected each year to show how chemistry impinges upon daily life. Important historical perspectives and basic concepts, such as energy and atomic/molecular structure, are introduced as background. Three lecture hours, one tutorial hour. Two terms. Six credits. Degree credit exclusions: Not open to any student who has passed or is taking any one of SC/CHEM 1000 6.00, SC/CHEM 1000 3.00, SC/CHEM 1001 3.00, SC/CHEM 1010 6.00.

AK/NATS 1830 6.00 Frontiers of Modern Science. A non-technical survey of current progress in selected areas of the natural sciences. Topics may include: the origin of the earth and planets, the age of the earth, continental drift, relativity, theories of the nature of the universe, new objects in space, the origin of life, modern evolution, science and society, ethical problems raised in science, ecological questions in science, pseudo-science and philosophical issues in science.

SC/NATS 1830 6.00 Matter and Structure. From atomic structure comes molecular structure, and, in turn, come the physical properties of matter composed of atoms and molecules. The relationship between physical properties and usefulness of materials is developed. The role of science in developing new materials is discussed. Three lecture hours per week, two tutorial/laboratory hours in alternate weeks. Two terms. Six credits.

AK/NATS 1840 6.00 Biology, Medicine and the Human Body. The scientific bases of modern medicine will be discussed in relation to important issues of human physiology and health. Emphasis may vary among sections and topics may include human nutrition, pharmacology, public health, medical education and the history of medicine and physiology.

SC/NATS 1840 6.00 Science and the Environment. This course provides a simplified description of the complex interactions and balances controlling the biosphere. The ways in which pollutants are produced and dispersed in the environment are discussed, together with their effects and how they are monitored and controlled. Three lecture hours, one tutorial hour. Two terms. Six credits. Degree credit exclusions: SC/NATS 1640 6.00, SC/NATS 1770 6.00.

AK/NATS 1850 6.00 Science and Pseudoscience. An examination of such topics as astrology, extrasensory perception, the ideas of Velikovsky, as examples of widely held beliefs which meet with little approval in the scientific community. The course will attempt to clarify the methodological and social criteria by which science functions in contrast with the attitudes prevalent among those operating along its fringes. It will also seek to describe how heretical hypotheses and theories may become part of accepted scientific understanding as well as the varied bases on which they may remain excluded.

SC/NATS 1850 6.00 Biomedical Ethics and the New Genetics. Recent developments in genetics and biotechnology are rapidly generating both medical breakthroughs and societal dilemmas. This

course provides an understanding of basic principles of molecular biology and human genetics, and examines societal and bioethical implications of the new genetics. Three lecture/seminar hours. Two terms. Six credits. Degree credit exclusions: SC/NATS 1680 6.00, SC/NATS 1850 6.00. Not open to students enrolled in Biology programs.

Cross-listed to: SC/BC 1850 6.00 and SC/NATS 1850 6.00

AK/NATS 1860 6.00 Genes, People and Populations. The central idea of genetics, evolution and population biology: their significance for people now and in the future. Topics will include the population explosion, genetic engineering and ecosystems.

SC/NATS 1860 6.00 Science: Past, Present and Future. Modern science has drastically changed our lives and how we perceive the world and will do so in future. This course explores, through case studies of revolutions in biological and physical sciences, how scientists work, experiment, theorize, communicate and debate. Three lectures and one hour online tutorial per week. Two terms. Six credits.

AK/NATS 1870 6.00 Understanding Colour. A cross-disciplinary approach in examining colour, with the aim of understanding colour from the multiple viewpoints of art, physics, chemistry, physiology and history. Topics include: perception, wave nature of light, spectroscopy, colour harmony and contrast, natural phenomena, dyes and pigments.

GL/NATS 1870 6.00 Introduction à l'histoire des sciences et des techniques. Les grands moments de l'histoire des sciences et des techniques envisagés dans leur contexte social et politique. On s'attarde surtout sur la période moderne, et on prête une attention particulière à l'influence que peuvent exercer sur l'ensemble de la culture contemporaine les progrès scientifiques et techniques (nucléaires, manipulations génétiques, par exemple).

Language of Instruction: French

GL/NATS 1880 6.00 Human Reproduction and Development. A biological examination of human reproduction and development. Emphasis is on: conditions of fertility and infertility; stages of embryonic/fetal development; genetic and environmental factors relating to birth defects.

SC/NATS 1880 6.00 Life Beyond Earth. This course considers the various factors required for life to exist beyond Earth, both life that may have evolved elsewhere and what would be necessary for humans moving out into space. Three lecture hours per week plus alternate week tutorial/laboratory sessions of two hours. Two terms. Six credits. Degree credit exclusion: AK/NATS 1730 6.00.

GL/NATS 1890 6.00 Introduction to Science, Technology and Society. Introduction to the intellectual and sociocultural context of science and technology. The course will deal with the impact of scientific and technological developments on societies, both past and present. Topics include: historical origins of modern science; science and the humanities; and ethical and philosophical controversies endangered by scientific/technological advances (e.g. biotechnology, computers).

GL/NATS 2200 3.00 Ecology of Northern Environments. Plants and animals of the temperate and arctic climates of the northern hemisphere exhibit adaptations critical for survival. The factors that determine the distribution and abundance of various species are examined at the individual, population and community level. The communities selected are representative of terrestrial, fresh-water and marine ecosystems. The effects of climate change and human activities on northern ecosystems will be examined; these include impacts such as aquatic contaminants and eutrophication, or in the case of terrestrial ecosystems, airborne contaminants and surface disturbance.

GL/NATS 2300 3.00 General Ecology. This course is an introduction for non-science majors to the scientific study of relationships between organisms and their physical and biological environments. General principles will be used to interpret patterns in the distribution, abundance, and characteristics of organisms in space and time. Degree credit exclusion: GL/NATS 1760 3.00(EN).

GL/NATS 2300 3.00 Écologie générale. Ce cours offre une introduction aux étudiant(e)s en arts libéraux à l'étude scientifique des relations entre les organismes et leur environnement physique et biologique. Les principes généraux serviront à interpréter la distribution, l'abondance et les caractéristiques des organismes dans l'espace et le temps.

Language of Instruction: French

GL/NATS 2310 3.00 Conservation Biology. Conservation biology has merged as a major new subject area addressing the alarming loss of biological diversity throughout the world. The number of species that are becoming endangered or vulnerable is unprecedented and continues to accelerate. This course explores means of prevention of loss, the causes of species declines and the effect of human intervention. The goals of this course are to understand concepts and theories underlying conservation biology, to develop critical thinking in matters related to biodiversity (both scientifically and politically) and to learn tools used by conservation biologists to protect diversity.

SC/NATS 2700 9.00 Science: Fundamental Ideas and Social Dimensions. A study of key ideas in the physical, life, earth, space and environmental sciences necessary to teach the Ontario elementary science curriculum. The social dimensions of science and technology, especially relating to Canada, are integrated with the scientific material. Four lecture hours per week, 12 two-hour laboratory sessions. Two terms. Nine credits. Prerequisite: Normally open only to those coregistered in the Faculty of Education primary/junior or junior/intermediate programs or planning to apply for those programs. Note: This course fulfills the Faculty of Arts general education requirement.

GL/NATS 2910 6.00 Medieval Technology, Practice and Theory. A history of technology in the Middle Ages and the economic, social and political ramifications of its use.

Cross-listed to: GL/HIST 2910 6.00 and GL/NATS 2910 6.00

GL/NATS 2910 6.00 Technologie du moyen âge : pratique et théorie. Histoire de la technologie employée au cours du moyen âge, les ramifications économiques, sociales, et politiques de son emploi.

Language of Instruction: French

Cross-listed to: GL/HIST 2910 6.00 and GL/NATS 2910 6.00

GL/NATS 2920 6.00 Medieval Science: Thought and Practice. A history of scientific thought in the Middle Ages, its divisions, its scope and its place in medieval society.

Cross-listed to: GL/HIST 2920 6.00 and GL/NATS 2920 6.00

GL/NATS 2920 6.00 Science médiévale, pensée et pratique. Histoire de la pensée scientifique au moyen âge, ses divisions, sa portée, et sa place sociale.

Language of Instruction: French

Cross-listed to: GL/HIST 2920 6.00 and GL/NATS 2920 6.00

GL/NATS 3100 6.00 Individual Studies. Students do independent reading and research together with written assignments under the guidance of a member of the college. All individual studies in multidisciplinary studies at Glendon are subject to specific regulations which the department will supply on request. (Since there is no assurance that a proposed project will be accepted, the student is encouraged to enrol in another course until a decision is made concerning the proposal.)

GL/NATS 3100 6.00 Travail individuel. Tout étudiant choisit un programme d'étude individuel qu'il mènera à bien sous la direction d'un professeur du collège. Attention : Tous les travaux individuels offerts dans le cadre d'Études pluridisciplinaires à Glendon sont régis par des règlements précis, que le secrétariat d'Études pluridisciplinaires tient à la disposition des étudiants. (Étant donné qu'il n'existe aucune garantie que ce projet soit accepté, on conseille vivement à l'étudiant de s'inscrire dans un autre cours jusqu'à ce qu'une décision soit prise.)

Language of Instruction: French

GL/NATS 3200 6.00 Historical Trends in Human-Environmental Interrelationships. This course examines the profound impact of ancient environments upon living organisms, with reference to specific biological

problems such as extinction. Early Paleolithic humans interacted with various natural ecosystems, which became modified as a result. The subsequent historical impact of human activities on the environment resulted in a trend of increasing pressures upon animal populations, world vegetation and soils. Current urban-rural land use conflicts and conservation problems exemplify the modern impact. Prerequisite: GL/NATS 1540 6.00 or GL/NATS 2300 3.00 or permission of the department.

GL/NATS 3205 3.00 Human-Insect Interactions. This course offers an overview of the multifaceted relationships between the human species and insects. It will include an introduction to entomology. The following aspects will be discussed: economic, health and environmental impact of insects, insects in arts, culture, mythology, phobia etc.

GL/NATS 3230 6.00 Génétique et santé humaine. Le cours présente les bases cellulaires et moléculaires de la génétique. Il adopte une approche historique de la génétique moderne mendélienne et classique. Il vise à initier les étudiants à l'analyse génétique à la thérapie génique, il aborde les problèmes actuels de la bioéthique, où l'être humain passe l'objet à soigner à l'objet à améliorer et à transformer. Condition(s) préalables : cours de biologie niveau secondaire/CEGEP ou GL/NATS 1540 6.00 Cours incompatibles : GL/NATS 2010 6.00 (2001-2002), GL/NATS 3010 6.00 (2002-2003).

Language of Instruction: French

GL/NATS 3310 3.00 Environmental Impact Assessment. This course offers a review of the methodology involved in environmental impact and risk assessments, with an emphasis on the Canadian process and legislation. Biological methodologies as well as management, planning and other assessment tools will be examined. Prerequisite: GL/NATS 1540 6.00 or GL/NATS 2300 3.00 or permission of the department.

GL/NATS 3500 6.00 Chimie de l'environnement. Ce cours fournit aux étudiants les bases scientifiques nécessaires pour comprendre l'impact de la chimie industrielle sur l'environnement. Les thèmes abordés couvrent, entre autres, les sources de la pollution de l'air, de l'eau, et du sol, la dissémination de la pollution dans la biosphère, ses effets, et le contrôle que l'on doit exercer.

Language of Instruction: French

GL/NATS 3635 3.00 Health Psychology. This course examines psychological contributions to health maintenance, prevention and treatment of illness, and to the identification of correlates of specific conditions in health and illness. Prerequisite: GL/PSYC 2510 6.00. Degree credit exclusions: GL/PSYC 3010 3.00 (Fall/Winter 1988-1989, Fall/Winter 1989-1990, Fall/Winter 1991-1992) and GL/PSYC 3700 3.00.

Cross-listed to: GL/NATS 3635 3.00 and GL/PSYC 3635 3.00

GL/NATS 3635 3.00 Psychologie de la santé. La psychologie de la santé constitue un secteur d'activité en pleine effervescence. Le cours mettra l'accent sur le rôle scientifique de la psychologie appliqué aux problèmes de santé, le stress psychologique ainsi que plusieurs variables modératrices. Condition préalable : GL/PSYC 2510 6.00. Cours incompatibles : GL/PSYC 3010 3.00(EN) Automne/hiver 1988-1989, Automne/hiver 1989-1990 and Automne/hiver 1991-1992 and GL/PSYC 3700 3.00.

Language of Instruction: French

Cross-listed to: GL/NATS 3635 3.00 and GL/PSYC 3635 3.00

GL/NATS 3640 3.00 Psychological Studies of Language. Human language is unique among communication systems in its richness, complexity of structure, and function. This course examines language both as a symbolic system and as a motor activity produced by a biological organism. Topics include language acquisition, bilingualism and the interrelationship between language and thinking. Prerequisite: GL/PSYC 2510 6.00 or equivalent.

Cross-listed to: GL/NATS 3640 3.00 and GL/PSYC 3640 3.00

GL/NATS 3640 3.00 La Psycholinguistique. Ce cours examinera les concepts, les théories, et les recherches empiriques les plus importants dans l'étude du langage en tant que système symbolique et en tant qu'activité motrice biologique. On traitera de l'acquisition du langage, du

bilinguisme, et de la relation entre le langage et la pensée. Condition préalable : GL/PSYC 2510 6.00 ou l'équivalent.

Language of Instruction: French

Cross-listed to: GL/NATS 3640 3.00 and GL/PSYC 3640 3.00

GL/NATS 3650 3.00 History of Experimental Psychology. This course introduces the student to the main lines of development of scientific psychology, as well as to the major theoretical systems which have emerged within psychology. Prerequisite: GL/PSYC 2510 6.00 or equivalent.

Cross-listed to: GL/NATS 3650 3.00 and GL/PSYC 3650 3.00

GL/NATS 3655 6.00 Social Issues in Reproduction. This course examines various issues raised by new reproductive technologies which are currently being developed. Discussions include the biology of these technologies and ethical, moral, legal, political and economic aspects related to their use by human society. Degree credit exclusion: GL/NATS/SOSC/CDNS/WMST 3657 3.00, GL/NATS 3010 3.00(EN) (Fall 1996).

Cross-listed to: GL/NATS 3655 6.00 and GL/SOSC 3655 6.00 and GL/WMST 3655 6.00

GL/NATS 3657 3.00 Reproductive Technology. This course focuses on the biology of reproduction and on reproductive technologies. Social, legal, ethical, economic and political aspects of reproductive technologies will be discussed, with particular attention to the Canadian Report of the Royal Commission on New Reproductive Technologies. Degree credit exclusions: GL/NATS/SOSC/WMST 3655 6.00(EN) and GL/NATS 3010 3.00(EN) (Fall 1996).

Cross-listed to: GL/CDNS 3657 3.00 and GL/NATS 3657 3.00 and GL/SOSC 3657 3.00 and GL/WMST 3657 3.00

GL/NATS 3658 3.00 Genetic Technology: Its Applications to Industry, Medicine and Agriculture. This course will focus on DNA technology and its use in areas of health, medicine, pharmaceuticals, forensic science and animal and plant breeding. Ethical, legal, medical and environmental safety issues arising from the application of DNA technology will be discussed, using Canadian examples where possible. Degree credit exclusion: GL/NATS 3010C 3.00 (Fall 1996).

Cross-listed to: GL/CDNS 3658 3.00 and GL/NATS 3658 3.00

GL/NATS 3670 3.00 Psychobiology. This course reviews the physiological basis of behaviour including elements of neuroanatomy, psycho-physiology, neuropsychology and psycho-pharmacology. Prerequisite: GL/PSYC 2510 6.00 or equivalent.

Cross-listed to: GL/NATS 3670 3.00 and GL/PSYC 3670 3.00

GL/NATS 3675 3.00 Humans as Primates: Comparative Evolutionary Views. This course discusses non-human primate research from comparative, developmental and evolutionary perspectives, focusing on its implications for human psychology. Topics may include primate evolution (brain/behaviour) and ecology, parenting, mating, social dominance/affiliation, language, deception, self-awareness, cognition and imitation. Prerequisite: GL/PSYC 2510 6.00. Degree credit exclusion(s): GL/PSYC/NATS 3010 3.00 (Winter 1994, Winter 1995, Winter 1997).

Cross-listed to: GL/NATS 3675 3.00 and GL/PSYC 3675 3.00

GL/NATS 3675 3.00 L'humain comme espèce primate. Ce cours veut examiner la psychologie humaine de la perspective de notre histoire comme espèce dans l'ordre biologique Primata. Le cours discutera les connaissances actuelles sur les primates nonhumains de différentes perspectives - comparative, développementale, évolutionnaire - afin d'explorer leurs implications pour les humains.

Language of Instruction: French

Cross-listed to: GL/NATS 3675 3.00 and GL/PSYC 3675 3.00

GL/NATS 3680 3.00 Evolution of Behaviour in Animals. Research and theory with animals are considered. Perspectives in evolution, ethology, sociobiology and psychology are dealt with. Topics covered include facial, vocal and spatial communications; perception, learning and reproduction. Prerequisite: GL/PSYC 2510 6.00 or equivalent.

Cross-listed to: GL/NATS 3680 3.00 and GL/PSYC 3680 3.00

GL/NATS 3680 3.00 L'évolution du comportement chez les animaux.

Ce cours examinera les concepts et les recherches empiriques les plus importantes dans l'étude de l'évolution du comportement, et portera principalement sur les animaux, mais aussi, sur l'homme. Le cours traitera de l'évolution de la perception, de l'apprentissage, de la physiologie, de la reproduction, de l'alimentation, du comportement social etc. La théorie de l'évolution par sélection naturelle sera discutée. Condition préalable : GL/PSYC 2510 6.00 ou l'équivalent.

Language of Instruction: French

Cross-listed to: GL/NATS 3680 3.00 and GL/PSYC 3680 3.00

GL/NATS 3690 3.00 Perception. This course focuses on the nature of light, the eye and the visual nervous system. Early vision (encoding light and pattern) and higher order vision (encoding surfaces and objects) are covered. Neurobiological mechanisms are underlined. The auditory system is also covered. Prerequisite: GL/PSYC 2510 6.00. Degree credit exclusion: GL/PSYC 3290 3.00.

Cross-listed to: GL/NATS 3690 3.00 and GL/PSYC 3690 3.00

GL/NATS 3720 6.00 Environmental Problems. This course examines selected topics are selected from recent literature in biology and relevant economic, political, geographical and ethical studies. These interpretations emphasize the holistic approach to modern ecological problems, including Canadian examples. Contrasting viewpoints are examined. Prerequisite: GL/NATS 1540 6.00 or GL/NATS 2300 3.00 or permission of the department.

GL/NATS 3720 6.00 Problèmes environnementaux. Ce cours aborde des sujets choisis à partir de la littérature récente en biologie de même qu'en économie, science politique, géographie etc., dans le but d'accentuer l'approche holistique des problèmes environnementaux (en incluant des exemples canadiens). Des points de vue conflictuels seront examinés. Condition préalable : GL/NATS 1540 6.00 ou GL/NATS 2300 3.00 ou permission du département.

Language of Instruction: French

GL/NATS 3970 6.00 Socio-Politics of Science. An examination of the interaction between science and socio-political institutions, with particular focus on the biological sciences. Topics include: government science policy; politicalization of the scientific community; science and public policy (e.g. genetic counselling, food and drug legislation); legal and ethical problems of biomedical research.

Cross-listed to: GL/NATS 3970 6.00 and GL/POLS 3970 6.00

GL/NATS 3995 6.00 Les femmes et la santé. Sous une perspective historique et sociologique, ce cours aborde ces sujets: la santé physique et mentale des femmes, les traitements qu'elles reçoivent au sein de la profession médicale, leurs rôles en tant que guérisseuses au sein de cette profession. Cours incompatibles : GL/WMST 3995 3.00, AK/AS/GL/WMST 3507 3.00, GL/NATS 3995 3.00, GL/SOSC 3995 3.00.

Language of Instruction: French

Cross-listed to: GL/NATS 3995 6.00 and GL/SOSC 3995 6.00 and AK/WMST 3507 6.00 and AS/WMST 3507 6.00 and GL/WMST 3507 6.00

GL/NATS 4100 6.00 Travail individuel. Tout étudiant choisit un programme d'étude individuel qu'il mènera à bien sous la direction d'un ou de plusieurs professeurs du collège. La permission du directeur du département est requise.

Language of Instruction: French

GL/NATS 4630 6.00 Revolutions in Science and Politics: From Galileo to the Greens. This course explores the connection between assumptions about physical reality underlying Newtonian physics and how we have organized social and political institutions. We stress that the breakdown of these assumptions in this century implies the need for a new conception of politics.

Cross-listed to: GL/NATS 4630 6.00 and GL/POLS 4630 6.00

GL/NATS 4645 3.00 Topics in the Philosophy of Descartes. A variety of topics in Descartes' philosophy will be examined in this course. Students may only take one course under this rubric. Descartes' philosophy will be studied in historical context. Emphasis will be placed on Descartes' participation in the scientific revolution and his assessment of its philosophical implications, particularly those concerning human nature and the possibility of knowledge (including self-knowledge) and human freedom. Topics may change from year to year. Integrated with GS/PHIL 5150 3.00. Prerequisite: GL/PHIL 2520 6.00(EN) or permission of the instructor. Degree credit exclusion: GL/PHIL 4640 3.00(EN) and GL/NATS 4640 3.00(EN).

Cross-listed to: GL/NATS 4645 3.00 and GL/PHIL 4645 3.00

Non-profit Management – Arts

Certificate Office:

Department of Political Science, S672 Ross Building, 416-736-5265

York University students may earn a Certificate in Non-profit Management concurrent with fulfillment of the requirements for a bachelor's degree. This certificate is open to students in all undergraduate faculties except for students enrolled in the Schulich School of Business bachelor of business administration program or the Atkinson bachelor of administrative studies program. Students may not earn both a Certificate in Business Fundamentals and a Certificate in Non-profit Management.

To qualify for the Certificate in Non-profit Management, students must complete 33 credits from a list of approved courses, with a cumulative grade point average in these 33 credits of at least 5.0 (C+).

Application to the Certificate in Non-profit Management may be made only after successfully completing at least 54 credits and the successful completion of the following course requirements with a minimum overall grade point average of 5.0 (C+).

For specific certificate requirements and the list of certificate courses, please consult the Faculty of Arts Programs of Study section of this Calendar.

Listed below are required courses for the Certificate in Non-profit Management offered by the Schulich School of Business.

SB/NPMG 3100 3.00 Introduction to the Non-profit Organization.

This course serves as a general introduction to the non-profit sector and to the external environment of organizations that operate in this sector. The course explores the historical roots and the social, political and economic function of the non-profit sector in Canada, as well as in other countries and traditions throughout the world. It examines the legal and policy environments in which non-profit organizations operate and issues with respect to governance and accountability.

SB/NPMG 3200 3.00 Accounting and Finance for Non-profit Organizations.

Managers in non-profit organizations need to interpret and use financial information. This course will provide students with the fundamental conventions, standards and basic techniques used in collecting and using financial information in organizations. Degree credit exclusions: AS/ECON 3580 3.00 Financial Accounting and AS/ECON 3590 3.00 Managerial Accounting. Students who have successfully completed AS/ECON 3580 3.00 and AS/ECON 3590 3.00 may not enrol in SB/BFND 3200 3.00, and are therefore exempt from this requirement.

SB/NPMG 4100 3.00 Non-profit Marketing. This course examines the relationship between non-profit organizations and their external constituencies. The course includes an introduction to marketing theory and practice, and the application of these concepts in a non-profit setting. The scope of the course includes specialized topics in social marketing, volunteer marketing, fundraising and philanthropy and advocacy. Degree credit exclusion: SB/BFND 4100 3.00.

SB/NPMG 4200 3.00 Organizational Behaviour and the Non-profit Organization. This course is designed to develop students' organizational competence. It examines the relationships between organizational performance and the behaviour of individuals, groups and overall organizations. The course introduces human resources management, with a particular focus on the culture and structure of non-

profit organizations. Emphasis is given to the importance of interpersonal issues and to issues arising from workforce diversity, ethical challenges, funding pressures and technological change.

Nursing – Atkinson

Office:

School of Nursing
301 Health, Nursing and Environmental Studies Building, Tel: 416-736-5271, Fax: 416-736-5714, e-mail: aknurs@yorku.ca

Director of Nursing:

L. Young-Lewis

Undergraduate Program Directors:

S. Coffey, Post-RN BScN program, Health Studies, Health Informatics
E. Pask, Collaborative BScN program

Lead Practicum Coordinator:

N. Sangiuliano

Associate Professors:

A. Falk-Rafael, J. Jeffrey, G. Lindsay, K.G. Macdonald, B. Pilkington,
M. Rogers, R. Steele, L. Young-Lewis

Assistant Professors:

R.F. Chiovitti, S. Coffey, I. Daiski, D.L. Duff, N. Johnston, A. McGregor,
G.J. Mitchell, D. Tregunno, C. van Daalen-Smith, M. van Soeren,
D. Yankou

Sessional Assistant Professor:

E. Pask

Lecturers:

J.E. Clark, C. Maheu, M. Regan, M. Singh

Assistant Lecturers:

L. Bernick, R. Cowan, S. Lewis, D. Perrault, N. Sangiuliano

Sessional Assistant Lecturers:

D. McCauley, R. Robbio, J. Samuel-Dennis

Sessional Lecturers:

M. Mitchell, A.M. Sochan, I.A. Swinson

Courses in Nursing

AK/NURS 2300 3.00 Development of Self as Nurse: Understanding and Interpreting Quantitative Data Analysis in Nursing Research.

Introduces the concepts of quantitative data analysis within the context of nursing research. Focuses on understanding and interpreting research results through examination of nursing research. Examines the fit between research purpose and results, and results and implications for nursing practice. Note: Open only to students in the BScN program. Recommendation: AK/NURS 2300 3.00 be completed prior to or concurrently with AK/NURS 3300 3.00.

AK/NURS 2720 3.00 Perspectives on Health and Health Promotion.

The focus of this course is on concepts and theories related to health and health promotion for individuals, groups, populations and communities including an emphasis on strategies for encouraging health promoting behaviours.

AK/NURS 2730 3.00 Health Assessment. An overview of the theory and skills of health assessment with emphasis on the individual. The clinical component of this course provides for guided practice in performing assessments. Note: Open only to students enrolled in the BScN program.

AK/NURS 3000 3.00 Development of Self as Nurse: Professionhood.

Focus is on development of professionhood through inquiry into professional obligation, responsibility, individual accountability; the roles of professional associations, unions and regulation. Develops an awareness of the sociopolitical and economic context of nursing and its involvement in sociopolitical activism. Note: Open only to students enrolled in the collaborative BScN program. Not open to students who have taken AK/PHIL 3000 3.00.

AK/NURS 3010 3.00 Development of Self as Nurse: Nature of Nursing Knowledge.

Examines the nature of nursing knowledge. Students critically reflect on the historical, socio-political and philosophic forces influencing nursing knowledge. A variety of conceptual models of nursing

are explored as well as their utility for practice. Note 1: Open only to students enrolled in the post-RN BScN program. Note 2: AK/NURS 3010 3.00 plus AK/NURS 3020 3.00 are equivalent to AK/NURS 3700 6.00.

AK/NURS 3020 3.00 Development of Self as Nurse: Concepts of Human Healing. Focuses on the acquisition of knowledge and appreciation of the mystery and awe of human healing from the perspective of the human science paradigm. Using methods of concept development, students explore healing concepts and their relationships to nursing theory and practice. Note 1: Open to students enrolled in the post-RN and collaborative BScN streams. It is strongly recommended that students complete AK/NURS 3010 3.00 (post-RN) or AK/NURS 3110 3.00 (collaborative) prior to or concurrently with AK/NURS 3020 3.00. Note 2: AK/NURS 3010 3.00 plus AK/NURS 3020 3.00 are equivalent to AK/NURS 3700 6.00.

AK/NURS 3040 3.00 Development of Self as Nurse: Knowledge of Nursing. Focuses on the development of nursing knowledge including philosophic, conceptual and theoretical perspectives. Students examine personal and professional paradigms to explore the relationship between paradigms, models and theories of nursing practice. (formerly AK/NURS 3110 3.00) Note: Open only to students in the collaborative BScN program. Not open to students who have completed AK/NURS 3110 3.00.

AK/NURS 3130 3.00 Health and Healing: Promoting Health and Healing with Individuals and Families. Philosophies and theories of health promotion and healing are critically examined. Students explore the meaning of health promotion with individuals in families, within a caring-healing perspective. (formerly AK/NURS 3030 3.00)

AK/NURS 3200 3.00 Foundation of Health Informatics. Examines concepts, principles and processes of information management in health care focusing on the knowledge and skills required for leadership roles in developing and managing new technology. Trends and issues related to computerization in health are critically explored. Prerequisite: AK/NURS 3190 3.00 (formerly AK/NURS 1000 3.00); or AK/AS/SC/COSC 1520 6.00; or AK/ITEC 1010 3.00 and AK/ITEC 1011 3.00; or for students with equivalent preparation, permission of the health informatics certificate coordinator.

AK/NURS 3210 3.00 Societal Implications of Health Informatics. Focuses on informatics issues which affect quality of life for health care practitioners, clients and families. The impacts of computerization on confidentiality, the client/practitioner relationship, patient care, and health care education, research and administration are critically examined. Prerequisite: AK/NURS 3200 3.00.

AK/NURS 3220 3.00 Educational Strategies for Health Informatics. Focuses on informatics strategies to develop institutional and community based education programs to communicate health care information in an online globalized community. Students will be required research and develop educational programs using Internet tools. Prerequisite: AK/NURS 3200 3.00.

AK/NURS 3230 3.00 Health Data Management. Examines issues and trends in health data management and the impact on the human caring experience. Students develop various database applications using basic database development techniques, and develop professional proposals using the systems lifecycle development model and process mapping. Prerequisite: AK/NURS 3200 3.00 or for students with equivalent preparation, permission of the health informatics certificate coordinator.

AK/NURS 3300 3.00 Development of Self as Nurse: Research and Inquiry. Explores the research basis of nursing practice. Research methods, including qualitative and quantitative approaches are examined along with methods of analysis. Students develop the ability to critique nursing research and to use research in practice. Prerequisite: AK/NURS 2300 3.00 or for students with equivalent preparation, permission of the course director. AK/NURS 2300 3.00 may also be taken concurrently. Note: Open only to students in the BScN program or for students with equivalent preparation, permission of the director of nursing. Not open to students who have completed AK/ADMS 2300 6.00 or AK/NURS 2700 6.00.

AK/NURS 3400 3.00 Development of Self as Nurse: Ethical Ways of Knowing and Caring in Nursing. Focuses on an in-depth examination of applied ethical and moral problems, issues and implications in everyday clinical nursing practice. Explores ethical decision making models and moral reasoning relevant to nursing care of clients and their families across the life span. Note: Open only to students in the BScN program, or by permission of the undergraduate director.

AK/NURS 3410 3.00 Health and Healing: Enacting Caring Through Competence in Nursing Praxis. Promotes praxis by synthesizing the theory and practice of complex nursing care with multiple ways of being, knowing and doing in nursing. Serves as a pivotal juncture between the "Development of Self as Nurse" and "Health and Healing" curricular threads. Note: Open only to collaborative BScN students.

AK/NURS 3500 3.00 Program Evaluation in Health Care Part I. A blend of theory and practice that provides students with an understanding of the concepts and implementation of program evaluation in health care. Students develop the ability to critique program evaluation reports and develop a proposal to evaluate a program. Prerequisite: For BScN students AK/NURS 3300 3.00 or AK/NURS 2700 6.00. All other students AK/ADMS 2300 6.00 or, for students with equivalent preparation, permission of the undergraduate director. Note: Not open to students who have completed AK/ADMS 3130Q 3.00.

Cross-listed to: AK/ADMS 3720 3.00 and AK/NURS 3500 3.00

AK/NURS 3700 3.00 Transcultural Nursing. Focuses on in-depth exploration and application of transcultural nursing principles in multicultural nursing care across the life span. Students critically reflect on cultural assessment. The relationship between culture, lived experience of health, health and healing practices is explored.

AK/NURS 3710 3.00 Nurses' Experience in Healthcare Environments. Explores the lived experience of nurses in diverse healthcare settings. Through reading, dialogue, writing, on-site classes and guest conversations, students will transform their understanding of the experience of working in healthcare reform environments in which stories intermingle. Note: Open only to students in the BScN programs.

AK/NURS 3720 3.00 Nurses as Teachers and Learners. Provides an opportunity to explore multiple theoretical perspectives on teaching and learning within the context of nursing. collaborative and post-RN nursing students will experience and critique various teaching/learning modalities available to promote learning, health and healing with clients and peers. Note: Open only to students in the BScN program. Prerequisites: For students in the collaborative BScN program, AK/NURS 3040 3.00; for students in the post-RN BScN program, AK/NURS 3010 3.00. Degree credit exclusion: AK/NURS 3790D 3.00, AK/NURS 4790D 3.00, AK/NURS 4720 3.00.

AK/NURS 3730 3.00 Lived Praxis in Nursing. Students will apply knowledge of conceptual models in nursing. The students' experiences serve as the context for exploring and understanding how conceptual models guide both traditional and complementary caring-healing modalities found in practice. Note: Open only to students in the collaborative BScN program. Prerequisite: AK/NURS 3040 3.00. Degree credit exclusion: AK/NURS 3790A 3.00.

AK/NURS 3740 3.00 Health Care Planning for Communities. This course provides a theoretical and methodological background for health problem analysis and program/service planning at the community and regional levels. Note: Not open to students who have taken AK/ADMS 3130K 3.00.

AK/NURS 3760 3.00 Embracing Child Rights and Child/Youth Centredness in Canadian Nursing. Enables nurses to develop a model of nursing practice which values child rights and which partners with children and youth. Child/youth centred nursing is explained within the context of children's lived experiences, Canadian Nursing Ethics and Child Rights. Prerequisites: For students in the collaborative BScN program, AK/NURS 3040 3.00 and AK/NURS 3300 3.00; for students in the post-RN BScN program, AK/NURS 3010 3.00 and AK/NURS 3300 3.00. Note: Open only to students in the BScN program; or for other students,

permission of the course director. Degree credit exclusion: AK/NURS 4760 3.00, AK/NURS 4790G 3.00.

AK/NURS 3770 3.00 Leadership Development: Part I. This course focuses on nursing management roles and functions, organizational structure and processes and the management of human resources in a variety of health care settings. Prerequisites: For students in the collaborative BScN program, AK/NURS 3040 3.00; for students in the post-RN BScN program, AK/NURS 3010 3.00.

AK/NURS 3800 3.00 Directed Reading. Students select an area for extensive reading and writing. Specific areas to be selected in consultation with an appropriate faculty member. Prerequisite: Students must be accepted by a faculty supervisor before they can register in this course. The course transaction form for this course must be submitted with the signature of the supervisor indicating willingness to supervise. Permission of the undergraduate director is also required. Note: Open only to students in the post-RN BScN program.

AK/NURS 3800 6.00 Directed Reading. Students select an area for extensive reading and writing. Specific areas to be selected in consultation with an appropriate faculty member. Prerequisite: Students must be accepted by a faculty supervisor before they can register in this course. The course transaction form for this course must be submitted with the signature of the supervisor indicating willingness to supervise. Permission of the undergraduate director is also required. Note: Open only to students in the post-RN BScN program.

AK/NURS 4000 3.00 Development of Self as Nurse: Innovator and Change Agent. Focuses on the dynamics of nursing and health care with a view to identifying opportunities for change and innovation. Students acquire knowledge and skills associated with change, innovation, entrepreneurship, consulting and leadership. Note: Open only to students in the BScN program. Prerequisites: For students in the collaborative BScN program, AK/NURS 3040 3.00, AK/NURS 3300 3.00 and AK/NURS 3400 3.00; for students in the post-RN BScN program, AK/NURS 3010 3.00, AK/NURS 3300 3.00, AK/NURS 3400 3.00; or permission of the course director.

AK/NURS 4100 3.00 Health and Healing: Global Context of Nursing. Focuses on global issues and trends related to present and future scenarios of human and planetary health. Caring, the central concept in nursing, is explored within the global context. Nurses' roles, responsibilities and actions are examined in relation to the promotion of global health. Note: Open only to students in the BScN program. Prerequisites: For students in the collaborative BScN program, AK/NURS 3040 3.00, AK/NURS 3300 3.00 and AK/NURS 3400 3.00; for students in the post-RN BScN program, AK/NURS 3010 3.00, AK/NURS 3300 3.00, AK/NURS 3400 3.00; or permission of the course director.

AK/NURS 4110 9.00 Integrated Practicum. Intensive practice experience in a variety of traditional and non-traditional nursing settings. Students integrate learning from all nursing courses and engage in deliberative praxis. The practicum experience is 432 hours. Prerequisites: For students in the collaborative BScN program, AK/NURS 3040 3.00, AK/NURS 3300 3.00, AK/NURS 3400 3.00, AK/NURS 3410 3.00; for students in the post-RN BScN program, AK/NURS 3010 3.00, AK/NURS 3020 3.00, AK/NURS 3130 3.00, AK/NURS 3300 3.00, AK/NURS 3400 3.00; or with permission of the course director. Note: Open only to students in the collaborative BScN program.

AK/NURS 4120 6.00 Health and Healing: Community as Partner. Focuses on the community as partner and the knowledge and skills related to partnering with diverse communities. Roles, concepts and theories of community health and healing are compared, analyzed and applied in practice. A practicum of 180 hours provided for praxis. (formerly AK/NURS 3100 9.00) Prerequisite: AK/NURS 3410 3.00. Note 1: Open only to collaborative BScN students. Note 2: AK/NURS 4120 6.00 has a practicum component which is graded as pass, fail. The grade of pass must be achieved for the practicum component in order to receive a grade for the theoretical component of the course. If the grade for the practicum component is fail then the overall final course grade is F.

AK/NURS 4130 3.00 Health and Healing: Living Client-Centred Care. Examines and enacts the emerging paradigm of client-centred care, in which clients are respected as the leaders of their care. Students experience and critique how health care cultures are reflected in practice with individuals and families in complex care situations. Note: AK/NURS 4130 3.00 open only to students in the post-RN BScN program with prerequisite AK/NURS 3010 3.00. Degree credit exclusions: AK/NURS 4130 6.00, AK/NURS 3790B 3.00.

AK/NURS 4130 6.00 Health and Healing: Living Client-Centred Care. Examines and enacts the emerging paradigm of client-centred care, in which clients are respected as the leaders of their care. Students experience and critique how health care cultures are reflected in practice with individuals and families in complex care situations. Note: AK/NURS 4130 6.00 open only to students in collaborative BScN program with prerequisite AK/NURS 3410 3.00. This course has a clinical practicum of 12 hours per week, graded as pass, fail. The grade of pass must be achieved for the practicum component in order to receive a grade for the theoretical component of the course. If the grade for the practicum component is fail then the overall final course grade is F.

AK/NURS 4140 3.00 Health and Healing: Promoting the Health of Communities. Focuses on community health nursing practice in promoting the health of communities. Examines historical and conceptual foundations for practice; the community health nurse's role in: influencing health policy development; promoting health across the lifespan, in various settings and for vulnerable populations. (formerly AK/NURS 4700 6.00) Prerequisite: AK/NURS 3010 3.00, AK/NURS 3020 3.00, AK/NURS 3130 3.00 and AK/NURS 3300 3.00, or AK/NURS 2700 6.00, or AK/ADMS 2300 6.00, or for students with equivalent preparation, permission of the undergraduate director. Students must directly contact the practicum coordinator and course director 60 days prior to the start of the course to negotiate the practicum. Note: This course is a one term course with a clinical practicum equivalent to nine hours per week for 12 weeks. Open only to students in the post-RN BScN program.

AK/NURS 4140 6.00 Health and Healing: Promoting the Health of Communities. Focuses on community health nursing practice in promoting the health of communities. Examines historical and conceptual foundations for practice; the community health nurse's role in: influencing health policy development; promoting health across the lifespan, in various settings and for vulnerable populations. (formerly AK/NURS 4700 6.00) Prerequisites: AK/NURS 2300 3.00; AK/NURS 3010 3.00; AK/NURS 3020 3.00; AK/NURS 3130 3.00; AK/NURS 3300 3.00 or AK/NURS 2700 6.00 or AK/ADMS 2300 6.00; AK/NURS 3400 3.00; or for students with equivalent preparation, permission of the director of nursing. Students must directly contact the practicum coordinator and course director 60 days prior to the start of the course to negotiate the practicum.

AK/NURS 4150 6.00 Advanced Nursing Science Practicum. The synthesis of practice, theory, insights and experiences from all other courses in the program. The primary learning outcome is nursing praxis which is the interrelationship and integration of theory and practice. Prerequisite: 90 credits including AK/NURS 4700 6.00 (and its prerequisites). Students must directly contact the course coordinator 60 days prior to the start of the course to arrange the practicum. Note: This is a one term course with a clinical practicum equivalent to 18 hours per week for 12 weeks. Open only to students in the post-RN BScN program. (formerly AK/NURS 4780 6.00)

AK/NURS 4200 3.00 Applied Health Informatics Research. Provides the opportunity to integrate theory and practice to develop increased competence in informatics. Students and faculty plan individualized research. The course includes both seminars and self-directed research. Prerequisite: AK/NURS 3200 3.00.

AK/NURS 4310 3.00 Applied Nursing Research. Allows students who have completed their course work to design and carry out a major project under the supervision of a faculty adviser and present the results to their student and faculty colleagues. Prerequisite: 60 credits including AK/NURS 3300 3.00, or AK/NURS 2700 6.00, or AK/ADMS 2300 6.00 or, for students with equivalent preparation, permission of the undergraduate director. Students must be accepted by a faculty supervisor before they can register in this course. The course transaction form for this course

must be submitted with the signature of the supervisor indicating willingness to supervise. Permission of the undergraduate director is also required. Note: Open only to students in the post-RN BScN program.

AK/NURS 4310 6.00 Applied Nursing Research. Allows students who have completed their course work to design and carry out a major project under the supervision of a faculty adviser and present the results to their student and faculty colleagues. Prerequisite: 60 credits including AK/NURS 3300 3.00, or AK/NURS 2700 6.00, or AK/ADMS 2300 6.00 or, for students with equivalent preparation, permission of the undergraduate director. Students must be accepted by a faculty supervisor before they can register in this course. The course transaction form for this course must be submitted with the signature of the supervisor indicating willingness to supervise. Permission of the undergraduate director is also required. Note: Open only to students in the post-RN BScN program.

AK/NURS 4500 3.00 Program Evaluation in Health Care Part I. A blend of theory and practice that provides students with an understanding of the concepts and implementation of program evaluation in health care. Students develop the ability to critique program evaluation reports and develop a proposal to evaluate a program. Prerequisite: For BScN students AK/NURS 3300 3.00 or AK/NURS 2700 6.00. All other students AK/ADMS 2300 6.00 or, for students with equivalent preparation, permission of the undergraduate director. Note: Not open to students who have completed AK/ADMS 3130Q 3.00 or AK/ADMS 3720 3.00.

Cross-listed to: AK/ADMS 4770 3.00 and AK/NURS 4500 3.00

AK/NURS 4510 3.00 Program Evaluation in Health Care Part II. An opportunity for students to further their knowledge of the methodology of program evaluation through practical experience in completing a program evaluation and assessing a program evaluation done by another student. Prerequisite: AK/ADMS 3720 3.00 or AK/ADMS 4770 3.00 or AK/NURS 3500 3.00 or AK/NURS 4500 3.00.

Cross-listed to: AK/ADMS 4780 3.00 and AK/NURS 4510 3.00

AK/NURS 4520 3.00 Pathophysiology for the Nurse Practitioner. Builds on knowledge of basic anatomy and physiology emphasizing pathophysiology relevant to advanced nursing practice. Students study pathogenesis, etiologies and clinical manifestations of diseases in adults and children commonly encountered in primary health care. Prerequisite: Open only to BScN students in the Primary Care Nurse Practitioner option or certificate.

AK/NURS 4530 3.00 Nurse Practitioner Roles and Responsibilities. Focuses on the examination of roles and responsibilities of the primary health care nurse practitioner in enhancing the health and health services of individuals, families and communities. Prerequisite: Open only to BScN students in the Primary Care Nurse Practitioner option or certificate.

AK/NURS 4540 4.00 Therapeutics in Primary Health Care I. Focuses on the development of knowledge, skills and competencies required by nurse practitioners in management health and illness situations in primary health care. An emphasis is placed on advanced therapeutic counselling as well as pharmacologic and healing therapeutics. Prerequisites/corequisites: AK/NURS 4520 3.00 and AK/NURS 4550 3.00. Open only to post-RN BScN or BScN students in the Primary Health Care Nurse Practitioner certificate.

AK/NURS 4541 4.00 Therapeutics in Primary Health Care II. Builds on the knowledge and skills of therapeutics acquired in AK/NURS 4540 3.00. Prerequisites: AK/NURS 4540 3.00 and AK/NURS 4560 3.00. Open only to post-RN BScN or BScN students in the Primary Health Care Nurse Practitioner certificate.

AK/NURS 4550 4.00 Advanced Health Assessment and Diagnosis I. Focuses on the development of advanced health assessment, diagnostic reasoning and clinical decision-making skills for nurses in primary care. An emphasis is placed on the holistic health of individuals, families and communities. Prerequisites/corequisites: AK/NURS 4520 3.00. Open only to post-RN BScN or BScN students in the Primary Health Care Nurse Practitioner certificate.

AK/NURS 4551 4.00 Advanced Health Assessment and Diagnosis II.

Builds on knowledge and skills acquired in AK/NURS 4550 3.00 to further advance health assessment and diagnostic reasoning within the primary health care context. Prerequisite: AK/NURS 4550 3.00. Open only to post-RN BScN or BScN students in the Primary Health Care Nurse Practitioner certificate.

AK/NURS 4560 14.00 Nurse Practitioner Integrated Practicum. An intensive experience to foster the integration of theory and practice. It includes both seminars and clinical practice in a primary health care setting which may be urban, rural or semi-rural. Prerequisite: Successful completion of all courses in the BScN program. Open only to BScN students in the Primary Care Nurse Practitioner option or certificate.

AK/NURS 4610 3.00 Human Experience of Chronic Health Challenges. Focus on human experience of living with chronic health challenges from perspectives of individuals, their families and caregivers, and the health care system. Explores personal accounts and reflections. Analyzes concepts, theories and relevant literature. Discussion focuses on current relevant issues. Note: Open only to students in the BScN program. Prerequisites: For students in collaborative BScN program, AK/NURS 3040 3.00 and AK/NURS 3300 3.00; for students in post-RN BScN program, AK/NURS 3040 3.00 and AK/NURS 3300 3.00; or for students with equivalent preparation, permission of the course director. Degree credit exclusion: AK/NURS 4790A 3.00.

AK/NURS 4620 3.00 Women's Health and Women's Health Movements: Critical Perspectives. Through a collaborative learning environment, students will critically analyze issues affecting women's health/health care including pathologization, medicalization, women healers, women's mental health, body image, environmental and occupational health, sexuality, violence, diversity and societal marginalization, gender roles and women's health research. Note: Open only to students in the BScN program or with permission of the undergraduate director. Degree credit exclusion: AK/NURS 4790C 3.00.

AK/NURS 4630 3.00 Philosophy of Nursing. Examines the underlying assumptions, values and beliefs linked with various theoretical, research and practice perspectives in nursing. Students critique nursing discourse on the human-universe-health process in relation to various philosophical traditions, while developing a personal philosophy of nursing. Prerequisites: For students in collaborative BScN program, AK/NURS 3040 3.00 and AK/NURS 3300 3.00; for students in post-RN BScN program, AK/NURS 3040 3.00 and AK/NURS 3300 3.00; or for students with equivalent preparation, permission of the course director. Note: Open only to students in the BScN program. Degree credit exclusion: AK/NURS 4790E 3.00.

AK/NURS 4640 3.00 Integrative and Expressive Forms of Caring. Processes such as art, poetry, story telling, puppetry, movement, sound and music are explored hands on as integrative and expressive forms of caring in nursing praxis. Prerequisites: For students in collaborative BScN program, AK/NURS 3040 3.00, AK/NURS 3300 3.00, AK/NURS 3400 3.00; AK/NURS 3410 3.00; for students in post-RN BScN program, AK/NURS 3010 3.00, AK/NURS 3300 3.00; AK/NURS 3400 3.00 and recommend AK/NURS 3020 3.00. Note: Open only to student in BScN program; or for other students, with permission of the course director. Degree credit exclusion: AK/NURS 4790I 3.00.

AK/NURS 4710 3.00 The Canadian Health Care System. The components of the Canadian health care system, roles played by governments, professional organizations, contemporary issues of cost control, organization and delivery of health services. Prerequisites: For BScN students AK/NURS 3300 3.00 or AK/NURS 2700 6.00; for students in other programs AK/ADMS 2300 6.00 or equivalent, or permission of the course director.

Cross-listed to: AK/ADMS 4710 3.00 and AK/NURS 4710 3.00

AK/NURS 4720 3.00 Nurses as Teachers and Learners. Provides an opportunity to explore multiple theoretical perspectives on teaching and learning within the context of nursing. Collaborative and post-RN nursing students will experience and critique various teaching/learning modalities available to promote learning, health and healing with clients and peers.

Note: Open only to students in the BScN program. Prerequisites: For students in the collaborative BScN program, AK/NURS 3040 3.00; for students in the post-RN BScN program, AK/NURS 3010 3.00. Degree credit exclusion: AK/NURS 3790D 3.00, AK/NURS 4790D 3.00, AK/NURS 4720 3.00.

AK/NURS 4730 3.00 Consultation: Theory and Practice. This course focuses on the concepts and theories of consultation with an emphasis on application in practice. Students have an opportunity to examine personal consultation styles and become familiar with current issues in consultation practice in health care settings. Prerequisites: 78 credits including AK/NURS 2700 6.00 (AK/ADMS 2300 6.00), or, for students with equivalent preparation, permission of the undergraduate director. Open only to Honours students. Note: Not open to students who have taken AK/ADMS 3130M 3.00.

AK/NURS 4750 3.00 Current Issues for Health Care Professionals. This course examines the concept of professionalism, the role of professional associations in the health care field, ethical and legal issues facing health care professionals, and current legislation governing health care professionals. Prerequisites: 60 credits. Note: Not open to students in the collaborative BScN program.

Cross-listed to: AK/ADMS 4750 3.00 and AK/NURS 4750 3.00

AK/NURS 4760 3.00 Child Rights and Child/Youth Centredness in Canadian Nursing. Enables nurses to develop a model of nursing practice which values child rights and which partners with children and youth. Child/youth centred nursing is explained within the context of children's lived experiences, Canadian nursing ethics and child rights. Note 1: Open only to students in the BScN program or for other students with permission of the undergraduate director. Note 2: Fieldwork is required. Degree credit exclusion: AK/NURS 3760 3.00, AK/NURS 4790G 3.00.

AK/NURS 4770 3.00 Leadership Development: Part II. This course provides an in depth look at some of the key nursing management roles and functions required to manage human resources and to monitor and evaluate organizational, group and individual effectiveness in a variety of health care settings. Prerequisite: AK/NURS 3700 3.00 or equivalent; or permission of the course director.

AK/NURS 4790B 3.00 Seminar in Psychology of Death and Dying. This seminar explores a wide range of issues related to dying and death including the development of attitudes towards death, the psychosocial context of dying, the mental life of the dying person, the movement toward palliative care and the nature and dynamics of grief. Prerequisites: General prerequisites as listed under Atkinson psychology courses; one of AK/AS/SC/PSYC 2130 3.00, AK/PSYC 3140 3.00 (after Winter 2002), AS/SC/PSYC 3140 3.00, AK/PSYC 3215 3.00, AK/PSYC 3220 3.00; or, for students in the BScN program, permission of the Chair of psychology. Degree credit exclusions: AK/PSYC 3290 3.00 (before Summer 2002), AK/AS/SC/PSYC 3560 3.00.

Cross-listed to: AK/NURS 4790B 3.00 and AK/PSYC 4250 3.00 and AS/PSYC 4250 3.00 and SC/PSYC 4250 3.00

AK/NURS 4800 3.00 Directed Reading. An independent reading course in which students select one or two areas for extensive reading and writing. Specific areas are to be selected in consultation with an appropriate faculty member. Prerequisites: 78 credits including AK/NURS 2700 6.00 (AK/ADMS 2300 6.00), AK/NURS 4710 3.00 and AK/NURS 4750 3.00, and permission of the undergraduate director. Open only to Atkinson nursing majors. Note: Students must be accepted by a faculty supervisor before they can register in this course. The course transaction form for such a course must be submitted with a note from the supervisor stating his or her willingness to perform this task. Permission of the undergraduate director is also required.

AK/NURS 4800 6.00 Directed Reading. An independent reading course in which students select one or two areas for extensive reading and writing. Specific areas are to be selected in consultation with an appropriate faculty member. Prerequisites: 78 credits including AK/NURS 2700 6.00 (AK/ADMS 2300 6.00), AK/NURS 4710 3.00 and AK/NURS 4750 3.00, and permission of the undergraduate director. Open only to Atkinson nursing

majors. Note: Students must be accepted by a faculty supervisor before they can register in this course. The course transaction form for such a course must be submitted with a note from the supervisor stating his or her willingness to perform this task. Permission of the undergraduate director is also required.

AK/NURS 4800B 3.00 Directed Reading.

Philosophy – Arts, Atkinson, Glendon

Arts:

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Web Address:

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Chair of the Department:

J. Pelham

Distinguished Research Professors:

L.B. Code, I.C. Jarvie

Professors:

A.W. Cragg, M.A. Gilbert, L.J.M. Green, J.N. Hattiangadi

Associate Professors:

S. Dimock, H. Jackman, D.M. Johnson, D.A. Jopling, E. Morera, R. Myers, G. Naddaf, J. Pelham, E. Thompson

Assistant Professor:

K. Andrews

Professors Emeriti:

J. Agassi, M.B. Bakan, G.F. Cowley, W.E. Creery, A. MacKenzie, C.D. MacNiven, J.D. McFarland, N. Mackenzie, R.E. Simpson

"Philosophy is to be studied, not for the sake of any definite answers to its questions, since no definite answers can, as a rule, be known to be true, but rather for the sake of the questions themselves; because these questions enlarge our conception of what is possible, enrich our intellectual imagination and diminish the dogmatic assurance which closes the mind against speculation; but above all because, through the greatness of the universe which philosophy contemplates, the mind also is rendered great, and becomes capable of that union with the universe which constitutes its highest good." (Bertrand Russell)

For specific program requirements, please consult the Faculty of Arts Programs of Study section of this Calendar.

Subject to program requirements and degree credit equivalent/exclusion and in-Faculty regulations, students may complete courses offered outside of the Faculty of Arts for credit in philosophy.

Faculty of Arts 1000-level philosophy courses provide a general introduction to philosophy, but are not required for philosophy majors or minors.

Faculty of Arts 2000-level philosophy courses are introductory in nature (and thus open to all students), but they focus on specific areas of philosophy.

Faculty of Arts 3000-level philosophy courses have prerequisites on a course-by-course basis. The prerequisites may include a specific course or courses, or the completion of a specified number of philosophy credits. For more detailed information, please see below.

All Faculty of Arts 4000-level philosophy courses have a general prerequisite of at least nine credits in philosophy. Some courses also have specific prerequisites. For more detailed information, please see below.

Atkinson:

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Coordinator of Philosophy:

S.B. Mallin

Professors:

S.B. Mallin, S.G. Shanker

Professor Emeritus:

H. Adelman

Associate Professor:

C. Duràn

Assistant Professors:

P. Kazan, J. Vernon, D. Waring

Special Assistant Professor:

J. Saindon

Glendon:**Department Office/Bureau du département :**

C221 York Hall, 416-487-6733

Chair of the Department/Directrice du département :

D. Olin

Professors/Professeurs :

G.J.D. Moyal, S. Tweyman

Associate Professors/Professeurs agrégés :

J. Baker, J. Gonda, D. Olin

Note: Courses which have 1 or 2 as the first digit are open to first-year students. Students should note that any of the courses which are open to first-year students can serve as an introduction to philosophy. Students should consult the Glendon Philosophy Department mini-calendar available in the department office, C221, York Hall (telephone: 416-487-6733), to obtain the complete list of courses and descriptions of yearly course offerings./Les cours dont le numéro commence par le chiffre 1 ou 2 sont ouverts aux étudiants de première année. Les étudiants doivent noter que tous les cours ouverts aux étudiants de première année peuvent servir de cours d'introduction à la philosophie. Les étudiants doivent consulter le mini-annuaire disponible au bureau du département au C221, Pavillon York (téléphone : 416-487-6733), afin d'obtenir la liste complète des cours offerts et leur description.

Courses in Philosophy

AK/AS/PHIL 1000 6.00 Introduction to Philosophy. A full year introduction to the basic issues and classic writers in the Western philosophical tradition. Areas such as ethics, metaphysics, theory of knowledge and logic will be surveyed by examining the writings of philosophers such as Plato, Aristotle, Descartes, Berkeley, Hume as well as more modern writers. Degree credit exclusion: AK/PHIL 2400 6.00.

Cross-listed to: AK/PHIL 1000 6.00 and AS/PHIL 1000 6.00

AK/PHIL 1002 6.00 Introduction to Law and Justice. We trace the development of philosophical thinking about law, justice and punishment, from its origins in classical Greek, Hebrew and Roman thought, up to common law and civil law, and such modern theories as Mill's, Rousseau's, Burke's, Hegel's and Marx's.

AK/AS/PHIL 1100 3.00 The Meaning of Life. This course explores a number of fundamental practical philosophical questions: What is the meaning of (my) life? What is happiness, and how can I achieve it? What is wisdom? What is death, and what does it mean to me? Readings from Plato, the Stoics, the Epicureans, Spinoza, Tolstoy and contemporary philosophers.

Cross-listed to: AK/PHIL 1100 3.00 and AS/PHIL 1100 3.00

GL/PHIL 1410 3.00 Introduction to Philosophy I. The purpose of this course is to acquaint the student with several major areas of philosophy. This is done by a critical study of philosophical topics such as: the problem of freedom, fatalism and morality.

GL/PHIL 1420 3.00 Introduction to Philosophy II. A beginner's introduction to some problems of philosophy. Each year some topics of abiding philosophical interest are selected for discussion.

GL/PHIL 1660 6.00 Philosophical Classics. A beginning course in philosophy through a study of selected short classics in the history of philosophy such as Plato's Symposium, Hume's Dialogues and Descartes' Meditations.

Cross-listed to: GL/HUMA 1660 6.00 and GL/PHIL 1660 6.00

GL/PHIL 1690 6.00 Introduction à la philosophie : les grands penseurs. Vue d'ensemble de l'histoire de la pensée européenne de l'Antiquité grecque à nos jours, dont le but est de mettre en évidence les rapports entre la philosophie d'une part, et les sciences, la politique, la religion et l'art d'autre part.

Language of Instruction: French

Cross-listed to: GL/HIST 1690 6.00 and GL/HUMA 1690 6.00 and GL/PHIL 1690 6.00

AK/AS/PHIL 2010 3.00 Origins of Western Philosophy. The Ancient Greek philosophers are the origin of modern Western thought. How did they construe reality, knowledge and humankind's relation to the world? Philosophers such as Heraclitus, Parmenides, Zeno and Democritus will be explored.

Cross-listed to: AK/PHIL 2010 3.00 and AS/PHIL 2010 3.00

AS/PHIL 2015 3.00 Plato and Aristotle. Plato and Aristotle are the pillars of Western philosophy. Practically all modern thought has its roots in their work. This course examines their writings and philosophy.

AS/PHIL 2020 3.00 Reason, God and the Mind. The works of Descartes, Spinoza and Leibniz are crucial building blocks of our contemporary understanding of the world. This course examines their work.

AK/AS/PHIL 2025 3.00 Experience, World and the Self. Locke, Berkeley and Hume manifested an approach to philosophy that emphasized sense experience and the development of all knowledge from it. This course explores this tradition and its impact on our current world view.

Cross-listed to: AK/PHIL 2025 3.00 and AS/PHIL 2025 3.00

AS/PHIL 2035 3.00 Asian Philosophical Traditions. This course is an introduction to the major philosophical traditions of India and China.

AK/AS/PHIL 2050 6.00 Philosophy of Law. A. Crime and punishment: What is the criminal law for? What should be prohibited and why? What excuses allowed? B. The concept of law: What is a law? What is a legal system? Positivism, realism and natural law theories. Degree credit exclusion: AK/PHIL 3530 6.00.

Cross-listed to: AK/PHIL 2050 6.00 and AS/PHIL 2050 6.00

AK/AS/PHIL 2060 3.00 Social and Political Philosophy. This course examines several theories of social justice including utilitarianism, social contract theory and natural rights. How do we distinguish between right and wrong? Good and evil?

Cross-listed to: AK/PHIL 2060 3.00 and AS/PHIL 2060 3.00

AK/AS/PHIL 2070 3.00 Introductory Ethics. This course provides a basic introduction to the major ethical theories in Western thought, and to some basic metaethical questions. One such question is "What, if anything, does it mean to say that a certain action is morally good or right?" Degree credit exclusion: AS/PHIL 2071 3.00.

Cross-listed to: AK/PHIL 2070 3.00 and AS/PHIL 2070 3.00

AS/PHIL 2071 3.00 Ethics and Technology I. This course examines ethical dilemmas that are raised by modern technology. Topics may include globalization and human rights; cybercrimes (e.g. privacy, intellectual property rights); biotechnology (e.g. cloning, genetically modified organisms); and related environmental issues. Degree credit exclusions: AK/AS/PHIL 2070 3.00, AK/AS/PHIL 2075 3.00. Note: This course will not count for philosophy major or minor credit.

AK/AS/PHIL 2075 3.00 Introduction to Applied Ethics. This course introduces students to the application of ethical theory to controversial public issues such as abortion, affirmative action and euthanasia, among others. Degree credit exclusion: AS/PHIL 2071 3.00.

Cross-listed to: AK/PHIL 2075 3.00 and AS/PHIL 2075 3.00

AK/AS/PHIL 2080 3.00 Perception, Knowledge and Causality. This course provides an introduction to philosophical discussion about what exists, or what is most real, the subject of metaphysics and what we can

truly know about such things. What are the most basic things, and how do they interact with each other?

Cross-listed to: AK/PHIL 2080 3.00 and AS/PHIL 2080 3.00

AK/AS/PHIL 2090 3.00 Introduction to the Philosophy of Religion.

Can we prove God's existence or must we experience God directly? Is faith opposed to reason? Are miracles and revelations really possible? Do a mystic's claims count as knowledge?

Cross-listed to: AK/PHIL 2090 3.00 and AS/PHIL 2090 3.00

AS/PHIL 2100 3.00 Introduction to Logic. Logic, in the philosophical tradition, is the study of what makes arguments valid. That is, it aims to distinguish correct reasoning from faulty reasoning. Modern symbolic logic begins this project by giving two complementary analyses of validity. This course presents the basic elements of modern symbolic logic for the beginning student.

AK/AS/PHIL 2110 3.00 Truth, Theory and Superstition. There are diverse views on how to improve one's understanding or to do research, even in the case of science. This course investigates the possibility of a method of science and also recent contributions to its theory.

Cross-listed to: AK/PHIL 2110 3.00 and AS/PHIL 2110 3.00

AK/PHIL 2120 3.00 Existentialism. An introduction to some of the characteristic themes of this movement (the individual, being, the absurd, freedom, dread etc.) that have been developed in the thought of Kierkegaard (theist), its originator, and of Sartre (atheist), its contemporary exponent.

AS/PHIL 2120 3.00 Existentialism. This course is an introduction to some of the central themes of existentialism, for example, the individual, being, the absurd, freedom, moral choice. These themes are explored in the work of philosophers such as Kierkegaard, Nietzsche, Camus, Sartre, deBeauvoir.

AK/AS/PHIL 2130 3.00 Philosophy of Art and Literature. Is truth relevant to art? What connections are there between art and morality? Are aesthetic judgments purely subjective or is there an objective basis for them? What is the artist's role in society?

Cross-listed to: AK/PHIL 2130 3.00 and AS/PHIL 2130 3.00

AK/AS/PHIL 2160 3.00 Mind, Brain and Self. An introduction to metaphysical issues about the mind. What is the nature of the mind and what is its relation to the body? What is the self and what is it that makes one the same person over time? What is the nature of consciousness and what is its relation to the brain?

Cross-listed to: AK/PHIL 2160 3.00 and AS/PHIL 2160 3.00

AK/PHIL 2170 3.00 Freedom, Determinism and Responsibility. An investigation of different concepts of freedom, arguments for free will and determinism, people's responsibility for their actions and how it is adjudicated, the justification of punishment, and some related moral problems.

AS/PHIL 2170 3.00 Freedom, Determinism and Responsibility. An investigation of different concepts of freedom, arguments for free will and determinism, people's responsibility for their actions and how it is adjudicated, the justification of punishment and some related moral problems.

AS/PHIL 2200 3.00 Critical Reasoning. A systematic study of practical argument, the analysis of techniques, formal and informal fallacies, the relationship between arguing well and winning an argument. When is argument propaganda? Methods of identifying and undermining specious arguments will be explored and tried.

Cross-listed to: AK/MODR 2410 3.00 and AS/PHIL 2200 3.00

AK/PHIL 2240 3.00 Introduction to Philosophy of Psychology. This course examines the philosophical assumptions and framework of psychology. What can we know about the mind, including the unconscious? How can we investigate and test a psychological theory?

Note: Not open to students who have taken AK/PSYC 2550 3.00, AS/PHIL 2240 3.00, AK/PSYC 2550 6.00 or AK/PHIL 2450 6.00.

AS/PHIL 2240 3.00 Philosophy and Psychology. What concepts of mind underlie current research on mind in psychology and cognitive science? What methods are used to study it? How much can science tell us about our own subjectivity?

AK/AS/PHIL 2250 3.00 Philosophy of Gender and Sexuality. An examination of some conceptual and normative questions about gender and the nature, forms and regulation of human sexuality.

Cross-listed to: AK/PHIL 2250 3.00 and AS/PHIL 2250 3.00

AK/AS/PHIL 2420 3.00 Human Nature. This course is an introduction to philosophy focusing upon traditional and contemporary views of human nature. For example, are we basically good or evil, rational or irrational, free or unfree, altruistic or egoistic?

Cross-listed to: AK/PHIL 2420 3.00 and AS/PHIL 2420 3.00

AK/PHIL 2440 3.00 Introduction to the Philosophy of Society. This course is an introduction to philosophy focusing upon traditional problems about society, such as nature of society, nature of state, human rights, freedom and censorship etc.

AK/PHIL 2440 6.00 Perspectives on Politics: Classics of Western Political Thought. This course examines different answers to critical questions concerning who rules, who ought to rule, and the conditions, institutions and practices necessary to realize ideals of rule. Degree credit exclusions: AS/POLS 2040 6.00, AK/POLS 2440 6.00.

Cross-listed to: AK/PHIL 2440 6.00 and AK/POLS 2900 6.00 and AS/POLS 2900 6.00

AK/PHIL 2440 6.00 Introduction to Political Thought. A survey of various central questions in social and political theory, based on selections from the writings of major figures in the history of political thought.

Cross-listed to: AK/PHIL 2440 6.00 and AK/POLS 2440 6.00

AK/AS/PHIL 2500 3.00 Introduction to Feminist Philosophy. This course is an introduction to core readings and concepts in feminist philosophy including, but not limited to, essentialism versus non-essentialism, systemic and overt sexism and key philosophical writings in feminist philosophy.

Cross-listed to: AK/PHIL 2500 3.00 and AS/PHIL 2500 3.00

AS/PHIL 2550 3.00 Introduction to Islamic Philosophy. This course explores the history and fundamental parameters of Islamic thought. Basic conceptual tools and terms applicable to Islamic philosophy are considered, as well as sociopolitical systems and Islamic responses to contemporary Western thought and post-modernity.

GL/PHIL 2605 6.00 Truth, Mind and Reality. This course is an introduction to three core areas of philosophy. It deals with epistemology (the nature and scope of human knowledge); metaphysics (categories of being; freedom and fatalism); and philosophy of mind (personal identity, knowledge of other minds).

Cross-listed to: GL/HUMA 2605 6.00 and GL/PHIL 2605 6.00

GL/PHIL 2615 3.00 Moral Questions and Social Policies. Issues to be discussed: The use of race as a criterion in social policy; justice and gender: assessing women's quality of life; individual liberty and mental illness, the right to use coercion to treat mentally ill individuals against their will.

Cross-listed to: GL/HUMA 2615 3.00 and GL/PHIL 2615 3.00

GL/PHIL 2617 3.00 The Quest for Meaning. Questions and topics to be discussed in this course: Can life have meaning? Whose criteria count in assessing the meaningfulness of a human life? Is human life absurd? Self-realization, satisfaction and happiness, the inevitability of death and the significance of suffering.

Cross-listed to: GL/HUMA 2617 3.00 and GL/PHIL 2617 3.00

GL/PHIL 2620 6.00 La philosophie moderne : de la raison aux sentiments. Ce cours est une revue des principaux systèmes philosophiques des 17^{ème} et 18^{ème} siècles. Il s'attache à l'étude de problèmes de métaphysique et d'épistémologie, et a pour thème les divers aspects du débat entre rationalistes et empiristes. La liste des auteurs étudiés comprend, entre autres: Descartes, Spinoza, Leibniz, Locke, Hume et Kant.

Language of Instruction: French

Cross-listed to: GL/HUMA 2620 6.00 and GL/PHIL 2620 6.00

GL/PHIL 2630 6.00 Ancient Philosophy and Political Theory. The development of inquiry about the order of nature and society is traced. Special attention is given to the ethical and political theories of Plato and Aristotle.

Cross-listed to: GL/PHIL 2630 6.00 and GL/POLS 2630 6.00

GL/PHIL 2630 6.00 Éthique et politique : les origines. Ce cours est une introduction à la philosophie ancienne, qui souligne la pensée de Platon et d'Aristote sous le rapport des questions politiques et morales. La lecture de ces philosophes permettra aussi d'explorer leurs théories épistémologiques et métaphysiques.

Language of Instruction: French

Cross-listed to: GL/PHIL 2630 6.00 and GL/POLS 2630 6.00

GL/PHIL 2640 6.00 Logic. This course is an introduction to the basic concepts and techniques of modern logic. No previous course in logic or philosophy is required.

Cross-listed to: GL/LIN 2640 6.00 and GL/MODR 2640 6.00 and GL/PHIL 2640 6.00

GL/PHIL 2650 6.00 Reason and Feeling in Modern Philosophy. Is there a conflict between reason and feeling? What role does each play in belief and knowledge? Is morality based on an appeal to reason or on subjective feeling? This course will examine such questions in the context of modern philosophy. Degree credit exclusions: GL/PHIL 2520 6.00(EN) and GL/PHIL/HUMA 2620 6.00(EN).

Cross-listed to: GL/HUMA 2650 6.00 and GL/PHIL 2650 6.00

GL/PHIL 2660 6.00 Société et politique. La philosophie politique a pour objet les principes du pouvoir politique et de son maniement. Les principes qu'elle propose sont censés répondre aux questions fondamentales le concernant : pourquoi une organisation sociale doit-elle avoir une justification morale; qui peut (ou doit) gouverner, comment, et dans quel but? Ce cours se propose d'examiner les réponses les plus influentes qu'ont apportées à ces questions les philosophes de l'Antiquité et de l'ère moderne.

Language of Instruction: French

Cross-listed to: GL/HUMA 2660 6.00 and GL/PHIL 2660 6.00 and GL/POLS 2660 6.00

GL/PHIL 2690 3.00 Cours de logique intermédiaire. Ce cours fait suite au cours de Logique formelle et informelle. Après une brève revue des règles de déduction matérielle, nous aborderons, entre autres sujets, les règles de quantification, l'étude des systèmes axiomatiques, les preuves de complétude et de consistance etc. Nous amorcerons, Deo volente, une introduction à la logique inductive.

Language of Instruction: French

Cross-listed to: GL/LIN 2690 3.00 and GL/MODR 2690 3.00 and GL/PHIL 2690 3.00

GL/PHIL 2923 3.00 Introduction to Law and Social Thought. This course will focus on the role of law and legal institutions in their relation to society, family and the individual. It will examine specific issues within Canadian society and law involving the judicial and criminal processes, civil and political rights, and the relationship between legal and political culture.

Cross-listed to: GL/PHIL 2923 3.00 and GL/SOSC 2923 3.00

GL/PHIL 2923 3.00 Introduction au droit et à la pensée sociale. Ce cours porte sur les rapports entre le droit et les institutions juridiques d'un

côté, et la société, la famille et l'individu de l'autre. On y examinera quelques questions propres au droit et à la société canadiens, et relatives au processus judiciaire et pénal, aux droits civils et politiques, ainsi qu'aux rapports entre culture politique et culture juridique.

Language of Instruction: French

Cross-listed to: GL/PHIL 2923 3.00 and GL/SOSC 2923 3.00

GL/PHIL 2925 3.00 Philosophy of Law. An introduction to legal reasoning and selected issues involved in understanding a legal system. We will also consider the nature of legal rights, justice and their relations of law and morality.

Cross-listed to: GL/PHIL 2925 3.00 and GL/SOSC 2925 3.00

GL/PHIL 2925 3.00 Philosophie du droit. Ce cours est une introduction au raisonnement juridique dans ce qu'il a de particulier; nous y aborderons quelques sujets propres à faire mieux comprendre ce qu'est un système juridique. Y seront étudiés également la nature des droits définis par la loi, la nature de la justice, ainsi que les rapports entre la morale et le droit. Cours incompatible : GL/PHIL/SOSC 3925 3.00(EN).

Language of Instruction: French

Cross-listed to: GL/PHIL 2925 3.00 and GL/SOSC 2925 3.00

AK/PHIL 3001 3.00 Philosophy of Artificial Intelligence. Evolution and philosophical foundations of artificial intelligence. It explores the presuppositions and conceptual problems that early AI-scientists inherited from such diverse sources as mathematical formalism, mechanist reductionism, information theory, cybernetics and the psychology of thinking.

AS/PHIL 3020 3.00 Ethics. An advanced course in theoretical ethics, understood as covering both normative ethical theory and metaethics. Prerequisite: At least one of the following: AS/PHIL 2050 6.00, AS/PHIL 2060 3.00, AS/PHIL 2070 3.00 or AS/PHIL 2075 3.00.

AS/PHIL 3025 3.00 Ethics and Technology II. This course examines ethical dilemmas that are raised by modern technology, such as computing, global communications and biotechnology, with an emphasis on the introduction and application of ethical theories to these different issues. Degree credit exclusion: AS/PHIL 3050 3.00. Note: This course will not count for philosophy major or minor credit.

AK/AS/PHIL 3030 3.00 Metaphysics. Metaphysics concerns such issues as the nature of reality, the existence of contingent and necessary truths, universals, perception and the nature of the external world. Prerequisite: AS/PHIL 2080 3.00 or at least six credits in philosophy.

Cross-listed to: AK/PHIL 3030 3.00 and AS/PHIL 3030 3.00

AS/PHIL 3035 3.00 Knowledge and Reality. Theories of knowledge, epistemology, are examined in relation to theories of reality. How does our perception of reality relate to our understanding of it? How can we come to know something is true or false? Prerequisite: AS/PHIL 2080 3.00 or at least six credits in philosophy.

AS/PHIL 3050 3.00 Business Ethics. This course examines the role of ethics in private, public and voluntary sector economic activity, for example, the concept of a free market and the role of government regulation, governance issues, corporate social responsibility, ethics codes, globalization and cross-cultural codes and standards. Prerequisite: At least one of the following: AS/PHIL 2050 6.00, AS/PHIL 2060 3.00, AS/PHIL 2070 3.00 or AS/PHIL 2075 3.00. Degree credit exclusions: AS/PHIL 3025 3.00 (prior to Fall/Winter 2000-2001), AS/PHIL 4160 3.00 (prior to Fall/Winter 1988-1989), AS/PHIL 3025 3.00, AK/PHIL 3560 3.00.

AS/PHIL 3080 3.00 Philosophy of Kant. "For the chief question is always simply this: what and how much can the understanding and reason know apart from all experience?" Kant's answer revolutionized philosophy. It is given in the Critique of Pure Reason, which will be studied in detail. Prerequisites: AS/PHIL 2020 3.00 and AS/PHIL 2025 3.00.

AK/AS/PHIL 3095 3.00 Philosophy of Religion. How do theistic philosophies deal with the fact of evil? Is religious language and forms of knowing distinct from other forms? What are the moral and ethical issues

inherent in religious propagation? Prerequisite: AS/PHIL 2090 3.00 or at least six credits in philosophy. Degree credit exclusion: AK/PHIL 3650 6.00.

Cross-listed to: AK/PHIL 3095 3.00 and AS/PHIL 3095 3.00

AS/PHIL 3100 3.00 Classical Logic. Classical logic is that well-established part of philosophical logic which is sometimes taken as the foundation for rationality, as well as mathematics. This course begins to explore foundational concepts in metalogic, such as the notion of a logical system and the rigorous definition of a proof. It explores the ideas of the soundness and completeness of a logical system and introduces the incompleteness of arithmetic. Prerequisite: AS/PHIL 2100 3.00 or permission of the instructor.

GL/PHIL 3100 6.00 Independent Reading Course. These courses are conducted on a tutorial basis. Topics are arranged individually by consultation between the student and the instructor. Admission to each course is by departmental recommendation only.

AS/PHIL 3101 3.00 Philosophy of Logic. This course studies issues relating the study of symbolic logic to ordinary language, including the nature of truth, the nature of sentences versus propositions, semantics for natural language (the Liar paradox, descriptions, reference, demonstratives) and syntactical conceptions of inference versus semantic conceptions. Prerequisite: AS/PHIL 2100 3.00 or permission of the instructor.

AS/PHIL 3105 3.00 Deviant Logic. An exploration of several systems of non-standard logic including modal logic, many-valued logic and relevance logic. The deductive structure, consistency and completeness of the systems will be explored. Prerequisite: AS/PHIL 2100 3.00 or permission of the instructor.

AK/AS/PHIL 3110 3.00 Political Philosophy. The major contemporary theories of moral justification applied to these two fundamental questions of politics and economics: Is a state (instead of anarchy) morally justified? Is private (instead of communal) property morally justified. Prerequisite: At least one of the following: AS/PHIL 2050 6.00, AS/PHIL 2060 3.00, AS/PHIL 2070 3.00 or AS/PHIL 2075 3.00.

Cross-listed to: AK/PHIL 3110 3.00 and AS/PHIL 3110 3.00

AK/PHIL 3120 3.00 Early Existentialism. A detailed study of the early existentialist thinkers such as Pascal and Kierkegaard. Emphasis is on their views concerning knowledge and faith, God and humankind, freedom and self deception.

AS/PHIL 3120 3.00 Early Existentialism. A detailed study of the early existentialist thinkers such as Pascal and Kierkegaard. Emphasis will be on their views concerning knowledge and faith, God and humankind, freedom and self-deception. Prerequisite: AS/PHIL 2120 3.00 or permission of the instructor.

AK/AS/PHIL 3125 3.00 Contemporary Existentialism. The views of such recent philosophers as Sartre, Camus, Nietzsche and de Beauvoir have had a great impact on contemporary society. This course explores their views on self, freedom, action and personal relations. Prerequisite: AS/PHIL 2120 3.00 or permission of the instructor.

Cross-listed to: AK/PHIL 3125 3.00 and AS/PHIL 3125 3.00

AS/PHIL 3140 3.00 Russell and Logical Positivism. The contribution of Bertrand Russell is extensive. This course examines his philosophy along with that of the early Wittgenstein and the Vienna Circle Positivists such as Carnap, Schlick and Ayer. Prerequisite: At least six credits in philosophy.

AS/PHIL 3170 3.00 Philosophy of Science. The philosophy of science explores the fundamental assumptions and methodologies of science, and examines its history. Topics to be discussed may include the nature of scientific theories, the problem of induction and theories of probability, the demarcation and growth of scientific knowledge. Prerequisites: At least six credits in philosophy.

AS/PHIL 3180 3.00 Conversations with African Philosophy. This course examines the development of African philosophy in the 20th century. It focuses on the debates among African philosophers regarding the nature of philosophical problems, and studies the emergence of various schools of thought in ethics, epistemology and ontology. Prerequisite: At least six credits in philosophy.

AK/AS/PHIL 3200 3.00 Philosophy of Language. This course provides an introduction to basic notions of the philosophy of language. Questions to be discussed may include: How is communication in language possible? What is a language? What makes words and phrases meaningful? What is truth? Prerequisite: At least six credits in philosophy. AS/PHIL 2100 3.00 is recommended.

Cross-listed to: AK/PHIL 3200 3.00 and AS/PHIL 3200 3.00

AS/PHIL 3220 3.00 Argumentation Theory. Dispute and argument have been studied by philosophers since ancient times. This course examines the nature of dispute in the context of both the history of philosophy and modern research. Prerequisite: At least six credits in philosophy. AS/PHIL 2100 3.00 is recommended.

AS/PHIL 3260 3.00 Philosophical Foundations of Cognitive Science. An introduction to philosophical issues in the foundations of cognitive science, an interdisciplinary field made up of psychology, neuroscience, computer science and artificial intelligence, linguistics and philosophy. The course covers the main philosophical issues and debates associated with this field. Prerequisite: At least six credits in philosophy including one of: AS/PHIL 2160 3.00 or AS/PHIL 2240 3.00.

Cross-listed to: AS/PHIL 3260 3.00 and AK/PHIL 3635 3.00

AS/PHIL 3265 3.00 Philosophy of Mind. How can we understand the relation between mind and body? How do mental states get their meaning? What is consciousness? Other topics may be discussed, such as: human agency, self-knowledge, unity of self, rationality of emotion, language and mind. Prerequisite: At least six credits in philosophy including one of: AS/PHIL 2160 3.00 or AS/PHIL 2240 3.00. Degree credit exclusion: AS/PHIL 3260 3.00 (prior to Fall/Winter 2000-2001).

AS/PHIL 3270 3.00 Philosophy of Social Science. This course provides an introduction to central ideas in the philosophy of social science. Topics for discussion may include: the debate concerning naturalism in social science, human rationality, scientism and functionalism. Prerequisite: At least six credits in philosophy.

AK/PHIL 3280 3.00 Mind and Nature: The Philosophy of Biology. This course concerns philosophical issues arising from the life sciences, in particular evolutionary theory and neuroscience. Topics examined may include: What is it that makes something living? What does the Darwinian theory of evolution mean for the understanding of human nature? Are religion and the theory of evolution compatible or irreconcilable?

AS/PHIL 3280 3.00 Mind and Nature: The Philosophy of Biology. This course concerns philosophical issues arising from the life sciences. Topics may include: What is it that makes something living? What does evolution mean for the understanding of human nature? Are religion and the theory of evolution compatible or irreconcilable? Prerequisite: At least six credits in philosophy. AS/PHIL 2160 3.00 or AS/PHIL 2240 3.00 is recommended.

AK/PHIL 3300 3.00 Reader and Author. What is involved in understanding a text? This course explores the problems and complexities of understanding texts written at some historical distance from our own times that yet remain culturally vital.

AS/PHIL 3500 6.00 Philosophy and Feminism. This course studies the history of feminist philosophical thought about the place women are to occupy in a man's world, and examines some contemporary feminist writings on reason, morality, scientific methodology and/or political theory. Prerequisite: At least six credits in philosophy.

AK/PHIL 3519 3.00 The Body in Feminist Thought. Considers feminist philosophers thinking about the body. Topics include: knowing and the mind/body problem; gender and sexuality; meaning, language and bodily

experience; the politics of subjectivity; and the issues of race, disability and health.

AK/PHIL 3560 3.00 Business Ethics. This course examines the philosophical and moral presuppositions of corporate enterprise and the ethical dilemmas which arise in business practice. It provides practical as well as theoretical tools for case analysis. Note: Counts as a major course in a BAS program. Not open to students who have taken AK/PHIL 3000C 6.00, AK/PHIL 3430 6.00 or AK/PHIL 3540 6.00.

AK/PHIL 3570 3.00 Ethics of Administration. This course examines the ethical basis of professional administration for both the public and private setting. It looks at ethical dilemmas encountered by the administrator or manager and provides techniques for their resolution. Note: Counts as a major course in a BAS program. Not open to students who have taken AK/PHIL 3000C 6.00, AK/PHIL 3430 6.00 or AK/PHIL 3540 6.00.

AK/PHIL 3580 6.00 Historical Theory and Method. The study of the nature of historical explanation employing case studies from historians and philosophers. Prerequisite: A 1000-level general education mathematics or modes of reasoning course. Note: Not open to students who have taken AK/HIST 3320 6.00.

Cross-listed to: AK/HIST 3120 6.00 and AK/PHIL 3580 6.00

AK/AS/PHIL 3595 3.00 International Ethics. This course examines the roll of norms in the analysis of international relations, in particular as they apply to foreign actor involvement in conflicts within states, thus, issues such as massive human rights violations, ethnic cleansing, genocide and the norms governing intervention by international, state and non-state actors. Extensive case study material is used rooted in the civil wars of the nineties. Prerequisites: Either modes of reasoning or equivalent, AK/AS/PHIL 2060 3.00, AK/AS/PHIL 2070 3.00, or AK/AS/PHIL 2075 3.00 or permission of the Chair.

Cross-listed to: AK/PHIL 3595 3.00 and AS/PHIL 3595 3.00

AS/PHIL 3600 3.00 Ancient Philosophy. This course involves a careful reading from selected texts in ancient philosophy. Writings are drawn from the Pre-Socratics, Plato, Aristotle and others. Prerequisite: At least one of: AS/PHIL 2010 3.00 or AS/PHIL 2015 3.00.

AK/PHIL 3600 6.00 Health Ethics. This course addresses ethical concerns of health care. It examines the nature of an ethic for health professionals, various moral dilemmas arising in medical practice, and the ethical foundations of health-care systems. Prerequisite: A 1000-level general education mathematics or modes of reasoning course.

GL/PHIL 3603 3.00 The Philosophy of Friedrich Nietzsche. An introduction to the philosophy of Friedrich Nietzsche which focuses attention on Thus Spoke Zarathustra, Beyond Good and Evil, and Genealogy of Morals.

Cross-listed to: GL/HUMA 3603 3.00 and GL/PHIL 3603 3.00

GL/PHIL 3606 6.00 Self and Identity: Contemporary Feminist and Anti-Racist Perspectives. This course examines conceptions of the self, and analyzes the consequences of oppression and various types of discrimination on self-determination, identity and the possibility of freedom from a feminist and anti-racist perspective.

Cross-listed to: GL/PHIL 3606 6.00 and AK/WMST 3506 6.00 and AS/WMST 3506 6.00 and GL/WMST 3506 6.00

AK/PHIL 3610 3.00 Ancient Philosophy. This course involves a careful reading from selected texts in ancient philosophy. Writings are drawn from the Pre-Socratics, Plato, Aristotle and others.

GL/PHIL 3612 3.00 Philosophy of Education, Classic and Modern. Two specific issues in the philosophy of education will be addressed in this course: moral education and education in the liberal arts. Their functions and aims will be identified and studied within the wider social and political context. Plato and Locke will serve as representatives of each of the two periods, and their thoughts on these issues compared and contrasted.

Cross-listed to: GL/HUMA 3612 3.00 and GL/PHIL 3612 3.00

AS/PHIL 3620 3.00 Empiricism and Rationalism. The empiricists and rationalists include such eminent philosophers as Hume, Descartes, Berkeley and Locke among others. This course examines selected readings from one or more representatives of each tradition. Prerequisite: At least six credits in philosophy.

AK/PHIL 3635 3.00 Philosophical Foundations of Cognitive Science. An introduction to philosophical issues in the foundations of cognitive science, an interdisciplinary field made up of psychology, neuroscience, computer science and artificial intelligence, linguistics and philosophy. The course covers the main philosophical issues and debates associated with this field. Prerequisite: At least six credits in philosophy including one of: AS/PHIL 2160 3.00 or AS/PHIL 2240 3.00.

Cross-listed to: AS/PHIL 3260 3.00 and AK/PHIL 3635 3.00

GL/PHIL 3637 6.00 L'État : enjeu de la modernité. Ce cours aborde la question de l'État qui, depuis Machiavel et Bodin, est au Coeur de la pensée politique moderne. Différents courants d'idées s'affrontent dans la définition de la légitimité, du rôle et des limites de l'État. À travers les différentes réponses apportées au problème de l'État, l'étudiant(e) est anémé(e) à réfléchir sur les problèmes fondamentaux que pose la vie en société, et notamment sur la possibilité de concilier souveraineté et autonomie individuelle, bien commun et pluralisme, égalité et liberté. Cours incompatible: GL/POLS 3660 6.00.

Language of Instruction: French

Cross-listed to: GL/PHIL 3637 6.00 and GL/POLS 3637 6.00

AK/AS/PHIL 3640 3.00 German Philosophy. German philosophy has had a profound impact on Western philosophy. In this course philosophers such as Hegel and Husserl to mention but two, are examined in some detail. Prerequisite: At least six credits in philosophy.

Cross-listed to: AK/PHIL 3640 3.00 and AS/PHIL 3640 3.00

GL/PHIL 3642 3.00 Business Ethics. This course examines some contemporary issues in business ethics such as the ethical justification of the free market, corporate responsibility, deceptive advertising, business and the environment, preferential hiring practices and whistleblowing.

Cross-listed to: GL/ECON 3642 3.00 and GL/PHIL 3642 3.00 and GL/SOSC 3642 3.00

GL/PHIL 3653 3.00 Law and Justice. The focus of this course is the use of the law to achieve social justice. Contemporary cases and issues will be discussed. These include aboriginal rights, civil disobedience and conflicts between democracy and the rule of law.

Cross-listed to: GL/PHIL 3653 3.00 and GL/SOSC 3653 3.00

GL/PHIL 3657 3.00 Philosophy of Mind. This course will acquaint the student with the central topics in contemporary philosophy of mind. Sample topics to be discussed include: mind and body, thinking, intention, emotions, desires, motives, memory, the unconscious and the concept of a person. Degree credit exclusions: GL/PHIL 3012 3.00 (Fall 2000); GL/PHIL 3016 3.00 (Winter 2002); GL/HUMA 3016 3.00 (Winter 2002); GL/PHIL 3016 3.00 (Winter 2003); GL/HUMA 3016 3.00 (Winter 2003).

Cross-listed to: GL/HUMA 3657 3.00 and GL/PHIL 3657 3.00

GL/PHIL 3660 6.00 Early Modern Political Theory. Western political thought from Machiavelli to Marx. The political theories of thinkers such as Machiavelli, the radicals of the English civil war, Hobbes, Locke, Rousseau, Hegel and Marx are considered, not as abstract ideas but as responses to, comments on, defences or critiques of historical events and social realities.

Cross-listed to: GL/PHIL 3660 6.00 and GL/POLS 3660 6.00

AK/PHIL 3710 3.00 Philosophy of Body Therapy. Numerous, alternative body-work therapies have gained popular appeal in the 20th century; from Hatha Yoga to Laban Movement Analysis and from chiropractic to physiotherapy. This course critically examines, from a philosophical perspective, the objectives, principles and underlying values of various different approaches to care of the body.

AS/PHIL 3750 3.00 Foundations of Artificial Intelligence. This course examines artificial intelligence (AI) as a framework for modeling and

analyzing fundamental ideas about the nature of intelligence and cognition in general. Topics include the exploration of computer models for concepts such as remembering, learning, inference and affect. Prerequisite: At least six credits in philosophy, or permission of the instructor. Note: This course is not open to any student who has successfully completed or who is taking AK/AS/SC/COSC 3402 3.00, AK/AS/SC/COSC 4401 3.00, or AK/AS/SC/COSC 4402 3.00. Note: Internet access is required for this course.

Cross-listed to: AS/COGS 3750 3.00 and AS/PHIL 3750 3.00

AK/PHIL 3774 3.00 Bioethics. Bioethics examines the ethical dimensions and implications of recent issues arising in biology and biomedicine from a macro and micro perspective with special emphasis on the ethical dimensions of policy decisions and a multicultural context.

AK/PHIL 3775 3.00 Professional Ethics in Health Care. This course develops critical perspective in everyday practices of health care. Alternative traditional moral theories are examined. Topics include: Ethical decision-making, contemporary issues in biomedical ethics, the ethical significance of cultural, religious and personal differences, and evaluations of documented case-studies. Note: Not open to students who have taken AK/PHIL 3600 6.00 and AK/PHIL 3000W 3.00.

AK/PHIL 3776 3.00 Technology and Ethics. Examines the impact on ethics and human value of recent technologies such as computers/Internet; biomedicine; and environmental technologies. Case studies are used to understand how these advances pose dangers and possibilities to our traditional conceptions of human value.

GL/PHIL 3905 3.00 Descartes and the Reform of the Sciences. Descartes is acknowledged as the founder of the modern outlook in the sciences. This course attempts to assess this judgement through a study of his major works, both philosophical and scientific.

Cross-listed to: GL/HUMA 3905 3.00 and GL/MODR 3905 3.00 and GL/PHIL 3905 3.00

GL/PHIL 3910 3.00 Philosophy of Language. The course will introduce students to such topics as the nature of reference, the role of intention and convention in determining meaning, the distinctions between syntax, semantics and pragmatics, the theory of speech acts and the nature of metaphor and other figurative language.

Cross-listed to: GL/LIN 3910 3.00 and GL/MODR 3910 3.00 and GL/PHIL 3910 3.00

GL/PHIL 3915 3.00 The Analytic Tradition. This course will examine the origins of the analytic tradition which now prevails in much of the Western world. The early writings of Frege, Russell and Wittgenstein will be studied, as well as the work of the Vienna Circle.

Cross-listed to: GL/LIN 3915 3.00 and GL/PHIL 3915 3.00

GL/PHIL 3927 3.00 Selected Topics in Ancient Philosophy. This course will deal with selected topics and issues in the works of the most influential ancient philosophers. Topics will vary from year to year. Degree credit exclusions: GL/PHIL/HUMA 4012 3.00 (Winter 1999) and GL/PHIL/HUMA/EN 4010 3.00 (Winter 2000).

Cross-listed to: GL/HUMA 3927 3.00 and GL/PHIL 3927 3.00

GL/PHIL 3931 3.00 Philosophy of Religion. A course designed with the purpose of studying certain specific areas in the philosophy of religion, namely, the nature of religious language, the possibility of a natural theology and the connection (if any) between theology and morality.

Cross-listed to: GL/HUMA 3931 3.00 and GL/MODR 3931 3.00 and GL/PHIL 3931 3.00

GL/PHIL 3985 3.00 Metaphysics. Topics vary from year to year. Please consult the Glendon Philosophy Department mini-calendar for the current topic. Degree credit exclusion: GL/PHIL/NATS 3950 3.00(EN).

Cross-listed to: GL/HUMA 3985 3.00 and GL/PHIL 3985 3.00

AS/PHIL 4000 3.00 Directed Reading. A course of independent reading under the direction of a member of the faculty. This course will only be considered when a student has completed all listed courses in the area of study. Agreement of the supervising faculty member must be obtained

prior to registration. Prerequisites: 84 credits successfully completed with at least 30 credits in philosophy.

AS/PHIL 4000 6.00 Directed Reading. A course of independent reading under the direction of a member of the faculty. This course will only be considered when a student has completed all listed courses in the area of study. Agreement of the supervising faculty member must be obtained prior to registration. Prerequisites: 84 credits successfully completed with at least 30 credits in philosophy.

GL/PHIL 4000 6.00 Honours Thesis. An opportunity for the advanced student to prepare a paper on a topic of the student's own choice and to work independently of direct classroom supervision.

AS/PHIL 4010 3.00 Topics in Historical Philosophy. An intensive examination of problems and historical issues in philosophy. Topics vary from year to year. Prerequisite: At least nine credits in philosophy.

AS/PHIL 4011 3.00 Topics in the History of Modern Philosophy. This seminar course discusses the work of one or more philosophers of the modern period. Topics vary from year to year. Prerequisite: At least nine credits in philosophy.

AS/PHIL 4030 3.00 Topics in Ancient Philosophy. A seminar course in ancient epistemology and metaphysics. Tests may include selected Dialogues from Plato, Aristotle's Organon and Metaphysics. Prerequisite: At least nine credits in philosophy.

AS/PHIL 4040 3.00 Topics in Contemporary Philosophy. An intensive examination of problems and contemporary issues in philosophy. Topics vary from year to year. Prerequisite: At least nine credits in philosophy.

AS/PHIL 4050 3.00 Topics in the Philosophy of History. The course discusses some of the central philosophical problems arising out of historical knowledge. The main emphasis is on the controversy over "covering laws" and between Realists and Idealists. Prerequisite: At least nine credits in philosophy. AS/PHIL 3270 3.00 is recommended.

AS/PHIL 4070 3.00 Topics in Moral Philosophy. An intensive examination of particular problems in moral philosophy, or intensive studies of the writings of individual moral philosophers. Topics vary from year to year. Prerequisite: At least nine credits in philosophy including at least three credits from the following: AS/PHIL 3020 3.00, AS/PHIL 3025 3.00, AS/PHIL 3050 3.00, AS/PHIL 3110 3.00 or AS/PHIL 3130 3.00.

AS/PHIL 4071 3.00 Seminar in Moral Philosophy: Kant's Moral Theory. An intensive study of two of Kant's central works in moral philosophy. Prerequisite: At least nine credits in philosophy including at least three credits from the following: AS/PHIL 3020 3.00, AS/PHIL 3025 3.00, AS/PHIL 3050 3.00, AS/PHIL 3110 3.00 or AS/PHIL 3130 3.00. Degree credit exclusion: AS/PHIL 4070M 3.00.

AS/PHIL 4080 3.00 Topics in the Philosophy of Mind. A selection of the following topics are discussed: mind and body, thinking, intention, emotions, desires, motives, reasons, dispositions, memory, the unconscious and the concept of a person. Prerequisite: At least nine credits in philosophy including AS/PHIL 3260 3.00.

AS/PHIL 4081 3.00 Seminar in the Philosophy of Mind: Buddhism and Cognitive Science. A comparative philosophical investigation of the theories and methods used for investigating the nature of the mind in Buddhist psychology and Western cognitive science (psychology and neuroscience). Prerequisite: At least nine credits in philosophy including at least three credits from the following: AS/PHIL 3260 3.00 or AS/PHIL 3265 3.00.

AS/PHIL 4083 3.00 Philosophy of Clinical Psychology. A study of the logic and epistemology of psychoanalysis, psychodynamic psychotherapy and clinical psychology. Some of the questions explored are: Is psychodynamic psychotherapy empirically testable? How do we know that it works? Is it a science?

AS/PHIL 4090 3.00 Topics in Metaphysics. An intensive investigation into issues concerning the nature of reality and existence. Focus is on selected issues or the work of particular metaphysicians. Topics vary from

year to year. Prerequisites: At least nine credits in philosophy including three credits from: AS/PHIL 3030 3.00 or AS/PHIL 3035 3.00.

AK/PHIL 4100 3.00 Directed Reading. Students will do intensive reading and writing in one or two selected areas. Specific areas are to be selected in consultation with members of the Philosophy Program. Prerequisites: 78 credits or, for students with equivalent preparation, permission of the Chair of philosophy. Note: Students must be accepted by a faculty supervisor before they can register in 4000-level directed reading courses. The course transaction form for such a course must be submitted with a note from the supervisor stating his/her willingness to perform this task. Permission of the department Chair is also required.

GL/PHIL 4100 3.00 Individual Studies. These courses are conducted on a tutorial basis. Topics are arranged individually by consultation between the student and the instructor. Admission to each course is by departmental recommendation only.

AK/PHIL 4100 6.00 Directed Reading. Students will do intensive reading and writing in one or two selected areas. Specific areas are to be selected in consultation with members of the Philosophy Program. Prerequisites: 78 credits or, for students with equivalent preparation, permission of the Chair of philosophy. Note: Students must be accepted by a faculty supervisor before they can register in 4000-level directed reading courses. The course transaction form for such a course must be submitted with a note from the supervisor stating his/her willingness to perform this task. Permission of the department Chair is also required.

GL/PHIL 4100 6.00 Individual Studies. These courses are conducted on a tutorial basis. Topics are arranged individually by consultation between the student and the instructor. Admission to each course is by departmental recommendation only.

AS/PHIL 4110 3.00 Topics in the Philosophy of Science. The course deals with situations in science and in the history of science that give rise to the basic problems of the philosophy of science such as the role of observation in science and the criteria of truth in science. Prerequisite: At least nine credits in philosophy. Recommended: AS/PHIL 3170 3.00 or AS/PHIL 3270 3.00 or AS/PHIL 3280 3.00.

AS/PHIL 4140 3.00 Topics in Aesthetics. A critical examination of recent problems in aesthetics concerning the representative function of works of art. Specific topics include the semantic theory of representation; transcription, translation and the making of equivalent structures in art; picturing, symbolizing and artistic vision. Prerequisite: At least nine credits in philosophy. Recommended: AS/PHIL 3040 3.00.

AK/AS/PHIL 4150 3.00 Professional Ethics. The course focuses a theme such as justice, diversity, identity, resources or rights, which will be explored as it impacts on some areas in professional ethics such as international ethics, health ethics, business ethics and environmental ethics. Prerequisites: 78 credits or permission of the coordinator of philosophy. Degree credit exclusion: AS/PHIL 4150 3.00 Topics in Practical Ethics. Integrated with: GS/PHIL 5250 3.00 Contemporary Issues in Applied Ethics.

Cross-listed to: AK/PHIL 4150 3.00 and AS/PHIL 4150 3.00

AS/PHIL 4160 3.00 Topics in Business Ethics. A study of the moral issues involved in business decisions from both theoretical and practical viewpoints. Topics may include conflicts between self-interest and public interest, obligations to consumers and employees, fair employment practices, the ethics of advertising, international trade and ethical codes for businesses.

AS/PHIL 4180 3.00 Topics in Political Philosophy. An intensive study of some selected normative and conceptual problems in contemporary political philosophy. Prerequisite: At least nine credits in philosophy including at least three credits from the following: AS/PHIL 3020 3.00, AS/PHIL 3025 3.00, AS/PHIL 3050 3.00, AS/PHIL 3110 3.00 or AS/PHIL 3130 3.00.

AS/PHIL 4190 3.00 Topics in the Philosophy of Law. An advanced seminar on some contemporary theories of the nature of law and legal reasoning. Prerequisite: AS/PHIL 2050 6.00 and at least three credits from

the following: AS/PHIL 3020 3.00, AS/PHIL 3025 3.00, AS/PHIL 3050 3.00, AS/PHIL 3110 3.00 or AS/PHIL 3130 3.00.

AS/PHIL 4200 3.00 Topics in Semantics. The study of semantics is at the root of philosophical logic, as well as the philosophy of language and linguistics. This course studies a topic in this central area of philosophical inquiry. Prerequisite: At least nine credits in philosophy.

AS/PHIL 4220 3.00 Topics in Argumentation Theory. An intensive study of one or more theories of argument. These may include field theory, critical thinking and pragma-dialectic approaches. Prerequisite: At least nine credits in philosophy.

AS/PHIL 4220 6.00 Philosophical and Ethical Issues in the Mass Media. Examines different modes of argumentation in editorial content, news coverage and editorial content, news coverage and advertising particularly ethical issues involved in the relation between arguments based in logic and those based in emotion. Other topics include rhetoric, persuasion, ideology and propaganda. Note: Not open to students who have taken AK/PHIL 4030K 6.00.

Cross-listed to: AK/ADMS 4295 6.00 and AS/PHIL 4220 6.00 and AK/PHIL 4295 6.00

AS/PHIL 4221 3.00 Topics in Argumentation Theory: Recent Writings in Argumentation Theory. This course explores recent works in argumentation theory deriving from both the dialectical and rhetorical perspectives. The approaches, theoretical similarities and differences between these two perspectives are considered. Prerequisite: At least nine credits in philosophy.

AS/PHIL 4230 3.00 Topics in Epistemology. Selected topics in the theory of knowledge are explored in depth. Prerequisite: At least nine credits in philosophy including three credits from: AS/PHIL 3030 3.00 or AS/PHIL 3035 3.00.

AS/PHIL 4250 3.00 Topics in the Philosophy of Film. This course is concerned with the aesthetics and ontology of film as a form of art and human expression. Particular concentration varies from year to year. Prerequisite: At least nine credits in philosophy.

AK/PHIL 4295 6.00 Philosophical and Ethical Issues in the Mass Media. Examines different modes of argumentation in editorial content, news coverage and editorial content, news coverage and advertising particularly ethical issues involved in the relation between arguments based in logic and those based in emotion. Other topics include rhetoric, persuasion, ideology and propaganda. Note: Not open to students who have taken AK/PHIL 4030K 6.00.

Cross-listed to: AK/ADMS 4295 6.00 and AS/PHIL 4220 6.00 and AK/PHIL 4295 6.00

AS/PHIL 4350 3.00 Topics in the Philosophy of Language. This course explores a topic in the philosophy of language. The topic will vary from year to year. Prerequisite: At least nine credits in philosophy including one of: AS/PHIL 3200 3.00 or AS/PHIL 2040 3.00 (prior to Fall/Winter 1999-2000). Degree credit exclusions: AS/PHIL 4100 3.00 and AS/PHIL 4100 6.00.

AS/PHIL 4351 3.00 Seminar in the Philosophy of Language: Logical Truth. This course examines the concept of logical truth in modern philosophy. Prerequisite: At least nine credits in philosophy including AS/PHIL 2100 3.00.

AS/PHIL 4500 3.00 Topics in Feminist Philosophy: Critique and Construct. An intensive study of recent feminist writings in one or more of the following areas: aesthetics, epistemology, ethics, political philosophy, philosophy of science, philosophy of the social sciences, theories of subjectivity, philosophy of language, theories of rationality. Prerequisite: At least nine credits in philosophy. Recommended: AS/PHIL 3500 6.00.

GL/PHIL 4620 6.00 Aspects of Late Modern and Contemporary Political Theory. The course examines the efforts at assimilation and evaluation of 20th-century experience since the First World War of theorists of both the Marxist and the liberal traditions.

Cross-listed to: GL/PHIL 4620 6.00 and GL/POLS 4620 6.00

GL/PHIL 4625 3.00 Philosophical Paradoxes. A study of rationality in belief and action approached through the paradoxes which each presents. We are also interested in the sort of reasoning which generates paradoxes, and what is required to resolve them. Topics include: The Prediction Paradox, Newcomb's Problem and the Prisoner's Dilemma. Degree credit exclusions: GL/PHIL 3015 3.00 (Fall /Winter 1990-1991, Fall/Winter 1991-1992), GL/PHIL 3013 3.00 (Fall/Winter 1992-1993).

Cross-listed to: GL/MODR 4625 3.00 and GL/PHIL 4625 3.00

GL/PHIL 4630 3.00 Gender, Responsibility and Dilemmas in the Law. This course examines family identity in the law, the obligations of judges and issues connected with free speech, looking more closely at negative and positive freedom, as they bear on the Charter of Rights and Freedoms. Degree credit exclusions: GL/PHIL/SOSC 4011 3.00 (Fall/Winter 2001-2002); GL/PHIL/SOSC 4011 3.00 (Fall/Winter 2002-2003).

Cross-listed to: GL/MODR 4630 3.00 and GL/PHIL 4630 3.00

GL/PHIL 4645 3.00 Topics in the Philosophy of Descartes. A variety of topics in Descartes' philosophy will be examined in this course. Students may only take one course under this rubric. Descartes' philosophy will be studied in historical context. Emphasis will be placed on Descartes' participation in the scientific revolution and his assessment of its philosophical implications, particularly those concerning human nature and the possibility of knowledge (including self-knowledge) and human freedom. Topics may change from year to year. Integrated with GS/PHIL 5150 3.00. Prerequisite: GL/PHIL 2520 6.00(EN) or permission of the instructor. Degree credit exclusion: GL/PHIL 4640 3.00(EN) and GL/NATS 4640 3.00(EN).

Cross-listed to: GL/NATS 4645 3.00 and GL/PHIL 4645 3.00

AS/PHIL 4900 6.00 Honours Seminar. The focus of this course will vary from year to year. Please consult the philosophy supplemental calendar for further information. Prerequisite: 18 credits in philosophy.

Physics and Astronomy – Pure and Applied Science

Department Office:

128 Petrie, 416-736-5249

Chair of the Department:

R.H. Prince

University Professor:

R.H. Prince

Distinguished Research Professor Emeritus:

R.W. Nicholls

Professors:

N. Bartel, S. Bhadra, J.J. Caldwell, W.H. Cannon, M.M. De Robertis, H.S. Freedhoff, E.A. Hessels, M. Horbatsch, R.G. Koniuk, M.L. McCall, J.R. Miller, W.A. van Wijngaarden

Professors Emeriti:

A.I. Carswell, J.W. Darewych, C.H. Dugan, W.R. Frisken, G.R. Hébert, K.A. Innanen, J.G. Laframboise, R.P. McEachran, A.D. Stauffer

Associate Professors:

S. Jeffers, R. Hornsey, A. Kumarakrishnan, S.R. Menary

Associate Professors Emeriti:

J.A. Burt, R.A. Koehler, F.J. Morgan

Assistant Professors:

P.B. Hall, B.M. Quine, C.H. Storry, W.J. Taylor

Senior Lecturers:

P.A. Delaney, S. Jerzak

Senior Lecturer Emeritus:

S.B. Joshi

Physics and astronomy are quantitative sciences which employ the scientific method of observation, experiment and systemization of the results of experiment. Their objectives are to seek to understand the ways in which the most fundamental or elementary systems in nature really operate.

Courses in the Department of Physics and Astronomy cover basic elements of the major topics delineated during the last 200 years in these rapidly developing fields of knowledge. There are certain required courses (see the program of study requirements in the Faculty of Pure and Applied Science Programs of Study section of this Calendar) which expose each student to the broad spectrum of physical phenomena and in an elementary way to the techniques of the theoretical physicist or astronomer in numerical analysis and modelling and of the experimental physicist or observational astronomer in measurement, observation and the apparatus of experiment. In developing programs of 3000- and 4000-level courses, students may concentrate their interests around experimental physics, theoretical physics, or astronomy and astrophysics. There are opportunities to develop Honours Double Major and Honours Major/Minor programs with other disciplines in the Faculty of Pure and Applied Science or in other Faculties.

The department offers Specialized Honours Applied Science Streams in Applied Physics and in Space and Communication Sciences, developed to meet the needs of rapidly expanding technologies in these fields. The requirements for these streams are found in the Faculty of Pure and Applied Science Programs of Study section of this Calendar.

A brochure giving detailed course descriptions and typical program prescriptions for all programs involving physics and astronomy is available on request from the department office.

Courses in Physics and Astronomy

Admission to any course beyond the 1000 level requires consultation with a member of the departmental admissions committee. Normally, entry to courses at the 3000 and 4000 levels requires successful completion of all lower-level courses that are required for degree programs in Physics and Astronomy. The prerequisites and corequisites stated for certain courses indicate the standard of background preparation deemed necessary for those not taking bachelor or Honours Physics and Astronomy programs. The course director should be consulted by potential entrants who have not completed the normal entry requirements of the department.

Unless otherwise specified, courses whose numbers end in "6.00" (i.e. six-credit courses) have three lecture hours per week for two terms when taught in a fall/winter session; those whose numbers end in "3.00" (i.e. three-credit courses) have three lecture hours per week for one term. Courses offered in the evening and/or in a summer session may have different formats and scheduling, though they will be equivalent in credit value.

SC/PHYS 1010 6.00 Physics. Topics include linear, rotational and oscillatory motion; Newtonian mechanics; electrostatics; magnetostatics; electric current and induction; heat; geometrical and physical optics and sound. Differential and integral calculus and vector algebra are used. This course covers fewer topics than SC/PHYS 1410 6.00, but covers them in greater depth. It should be taken by all those likely to enrol in 2000-level physics courses. Three lecture hours per week in the first term, two lecture hours per week in the second term; three laboratory hours in alternate weeks in both terms; one tutorial hour each week in both terms. Prerequisite: OAC Physics or 12U Physics or SC/PHYS 1510 4.00. Corequisite(s): AS/SC/MATH 1013 3.00 and AS/SC/MATH 1014 3.00 and AS/SC/MATH 1025 3.00, or AS/SC/MATH 1505 6.00, or equivalents. Degree credit exclusions: SC/PHYS 1410 6.00.

SC/PHYS 1019 0.00 Tutorial for SC/PHYS 1010 6.00. Students enrolled in SC/PHYS 1010 6.00 must also enrol in this mandatory tutorial.

SC/PHYS 1070 3.00 Astronomy. An introduction to astronomy for science majors. The course gives an overview of basic astronomical knowledge from the solar system to the edge of the Milky Way and basic astronomical concepts from white dwarfs to black holes. Prerequisite: OAC physics or SC/PHYS 1510 4.00. Prerequisite or corequisite: AS/SC/MATH 1013 3.00 or AS/SC/MATH 1505 6.00 or equivalent.

SC/PHYS 1410 6.00 Physical Science. Topics include kinematics, dynamics, momentum and energy for linear and rotational motion; elementary kinetic theory and thermodynamics; static and current electricity; waves and physical and geometrical optics, elements of modern physics. Recommended for students unlikely to enrol in 2000-level

physics courses. Three lecture hours per week in the first term, two lecture hours per week in the second term; three laboratory hours in alternate weeks in both terms; one tutorial hour each week in both terms. Prerequisite: OAC Physics or 12U Physics or SC/PHYS 1510 4.00. This is a calculus-based course making use of elementary differential and integral calculus. While not mandatory, a first-year mathematics course involving calculus, such as AS/SC/MATH 1013 3.00/1014 3.00 or AS/SC/MATH 1505 6.00, is normally taken concurrently. Coregistration in AS/SC/MATH 1515 3.00 or AS/SC/MATH 1505 6.00 is strongly recommended for students lacking OAC calculus. Degree credit exclusion: SC/PHYS 1010 6.00.

SC/PHYS 1419 0.00 Tutorial for SC/PHYS 1410 6.00. Students enrolled in SC/PHYS 1410 6.00 must also enrol in this mandatory tutorial.

SC/PHYS 1510 4.00 Introduction to Physics. An introductory course for students lacking adequate preparation for SC/PHYS 1010 6.00 or SC/PHYS 1410 6.00. Topics involve Newton's laws applied to linear and angular motion, force, inertia, torque, impulse, momentum, centre of mass, work, energy, oscillatory motion, geometric optics (including lenses and mirrors). No calculus is used, but vectors are used extensively. Three lecture hours per week, a laboratory session alternating weekly with a tutorial session. One term. Prerequisite: Ontario Grade 11 Functions and Relations (new curriculum) or Ontario Grade 12 Advanced Mathematics (old curriculum). Note: May not be taken by any student who has taken or is currently taking another University course in physics.

SC/PHYS 2010 3.00 Classical Mechanics. Newtonian mechanics of mass points and rigid bodies. Accelerated reference frames and rotational motion, centrifugal and Coriolis forces. Central force motion in celestial mechanics. Euler's equations: precession and nutation in the gyroscope. Prerequisites: SC/PHYS 1010 6.00, or a minimum grade of C in SC/PHYS 1410 6.00; AS/SC/MATH 1014 3.00 or equivalent; AS/SC/MATH 1025 3.00 or equivalent. Corequisite: AS/SC/MATH 2015 3.00.

SC/PHYS 2020 3.00 Electricity and Magnetism. The elements of electric and magnetic fields are developed together with DC and AC circuit theory and an introduction to electromagnetic waves. Prerequisites: SC/PHYS 1010 6.00, or a minimum grade of C in SC/PHYS 1410 6.00; AS/SC/MATH 1025 3.00 or equivalent. Corequisite: AS/SC/MATH 2015 3.00.

SC/PHYS 2030 3.00 Computational Methods for Physicists and Engineers. The symbolic and numeric computing environments provided by Maple and Matlab are used to solve problems in mechanics and electromagnetism. Prerequisites: SC/PHYS 1010 6.00 or SC/PHYS 1410 6.00; AK/AS/SC/COSC 1020 3.00 or AK/AS/SC/COSC 1540 3.00; AS/SC/MATH 2015 3.00. Corequisite: AK/AS/SC/MATH 2270 3.00.

SC/PHYS 2040 3.00 Special Relativity and Modern Physics. This course introduces the two pillars of modern physics - the special theory of relativity and quantum mechanics. The relativistic concepts of space, time and energy are derived from first principles. The quantum nature of radiation and matter is introduced. Prerequisites: SC/PHYS 1010 6.00, or a minimum grade of C in SC/PHYS 1410 6.00; AS/SC/MATH 1025 3.00 or equivalent. Prerequisites or corequisites: It is strongly recommended that SC/PHYS 2010 3.00 and SC/PHYS 2020 3.00 be taken in the same year as this course.

SC/PHYS 2060 3.00 Optics and Spectra. An introductory course in optics covering the following topics: wave nature of light, reflection, refraction, spherical mirrors and lenses, interference, diffraction, polarization, introduction to lasers. Prerequisites: SC/PHYS 1010 6.00, or a minimum grade of C in SC/PHYS 1410 6.00; AS/SC/MATH 1014 3.00 or equivalent; AS/SC/MATH 1025 3.00 or equivalent.

SC/PHYS 2070 3.00 Galaxies and the Universe. An introduction to the structure, evolution and origin of galaxies, aggregates of galaxies and the universe as a whole. Frontier topics such as quasars, the great attractor, the cosmic web, gravitational lensing, primeval galaxies and black holes are included. Prerequisite: SC/PHYS 1070 3.00, or SC/NATS 1740 6.00 and permission of the instructor.

SC/PHYS 2211 1.00 Experimental Electromagnetism. An introductory laboratory course for second-year students. The course consists of 10

experiments covering basic concepts of electromagnetism. Normally three laboratory hours per week. One term. One credit. Prerequisite: SC/PHYS 1010 6.00 or a minimum grade of C in SC/PHYS 1410 6.00. Corequisite(s): SC/PHYS 2020 3.00.

SC/PHYS 2212 1.00 Experimental Optics. An introductory laboratory course based on lasers and modern optics. Includes different experiments than those completed in SC/PHYS 2211 1.00. Normally three laboratory hours per week. One term. One credit. Prerequisite: SC/PHYS 1010 6.00 or SC/PHYS 1410 6.00, SC/PHYS 2211 1.00. Corequisite: SC/PHYS 2060 3.00 recommended.

SC/PHYS 3001 1.00 Organization and Management Seminar in Space and Communication Sciences. A seminar course taught by guest speakers from industry, government and the University. Content changes from year to year, but includes such topics as professional ethics, communications regulations, space law, space science policy, project management, privacy and security issues in computing. One lecture hour in alternate weeks. Two terms. Prerequisite: Eligibility to proceed in the Specialized Honours stream in Space and Communication Sciences beyond the 2000-level requirements, or permission of the course director. Degree credit exclusion: AS/SC/COSC 3002 1.00.

Cross-listed to: SC/COSC 3001 1.00 and SC/EATS 3001 1.00 and SC/PHYS 3001 1.00

SC/PHYS 3010 3.00 Classical Mechanics. Intermediate classical mechanics, including dynamics of particles and systems of particles. Lagrange's equations and Hamilton's equations. Prerequisites: SC/PHYS 2010 3.00; AS/SC/MATH 2015 3.00; AK/AS/SC/MATH 2270 3.00.

SC/PHYS 3020 3.00 Electromagnetics I. Vector calculus; electrostatic and magnetostatic fields, derived from charge and current distributions studied in vacuum and in material media. Prerequisites: SC/PHYS 2020 3.00; AS/SC/MATH 2015 3.00; AK/AS/SC/MATH 2270 3.00. Prerequisite or corequisite: AS/SC/MATH 3271 3.00.

SC/PHYS 3030 3.00 Statistical and Thermal Physics. Statistical mechanics of systems of large numbers of elements. Probability, ensembles, fluctuations. Applications: spin magnetism, electrons in metals, radiation, specific heats of solids. Transport theory. Prerequisites: SC/PHYS 2010 3.00; SC/PHYS 2020 3.00.

SC/PHYS 3040 6.00 Modern Physics. Survey of the basis of contemporary physics: introduction to quantum theory of light, atoms, molecules, solids, nuclei, elementary wave mechanics and elementary particles. Prerequisites: SC/PHYS 2010 3.00; SC/PHYS 2020 3.00; SC/PHYS 2040 3.00; SC/PHYS 2211 1.00; AK/AS/SC/MATH 2270 3.00.

SC/PHYS 3050 3.00 Electronics I. Introduction to physical electronics including DC and AC circuit theory and network analysis; bandpass filter; introduction to the p-n junction and semiconductor devices: diodes, DC power supplies, transistors, analysis and design of basic amplifiers, operational amplifiers. With laboratory exercises. Two lecture hours, three laboratory hours. One term. Prerequisites: SC/PHYS 1010 6.00; SC/PHYS 2020 3.00 and SC/PHYS 2211 1.00 recommended.

SC/PHYS 3070 3.00 Planets and Planetary Systems. Survey of planetary astrophysics. Specific emphases vary, but an overview of planetary observations and current knowledge concerning the atmospheres and interiors of planets and the formation and evolution of planets and planetary systems is presented. Normally offered in alternate years. Prerequisite: At least one of SC/PHYS 1070 3.00, SC/EATS 1010 6.00 (or both SC/EATS 1010 3.00 and SC/EATS 1011 3.00), SC/EATS 2030 3.00; or permission of the instructor. Prerequisite(s) or corequisite: AS/SC/MATH 2015 3.00; AK/AS/SC/MATH 2270 3.00; or permission of the instructor.

SC/PHYS 3080 3.00 Atmospheric Radiation and Thermodynamics. Applications of basic thermodynamic principles to dry and moist atmospheric situations. Solar (short wave) and terrestrial (long wave) radiation with respect to absorption and scattering processes involving atmospheric atoms, molecules, aerosol particles and clouds. Three lecture hours. One term. Three credits. Prerequisites: AS/SC/MATH 2015 3.00;

AK/AS/SC/MATH 2270 3.00; SC/PHYS 1010 6.00, or a minimum grade of C in SC/PHYS 1410 6.00.

Cross-listed to: SC/EATS 3030 3.00 and SC/PHYS 3080 3.00

SC/PHYS 3150 3.00 Electronics II. The concept of feedback and its use in circuits employing operational amplifiers; analysis/design of such circuits, including amplifiers, filters, oscillators, pulse generators; digital concepts and logic circuits with applications to data manipulation (computers) and storage. Laboratory exercises and project. Two lecture hours, three laboratory hours. One term. Prerequisite: SC/PHYS 1010 6.00; and SC/PHYS 3050 3.00 recommended.

SC/PHYS 3210 6.00 Experimental Physics. Experiments are performed in fluid mechanics, electromagnetism, optics, atomic and nuclear physics. Error analysis of the data and detailed write-ups of at least nine experiments are required. Students are required to present a seminar on a research topic to the class. One lecture/seminar hour per week, open laboratory hours. Two terms. Prerequisites: SC/PHYS 2020 3.00; SC/PHYS 2040 3.00; SC/PHYS 2211 1.00; SC/PHYS 2212 1.00. Corequisite: SC/PHYS 3040 6.00. Degree credit exclusion: SC/PHYS 3220 3.00.

SC/PHYS 3220 3.00 Experimental Physics. A three-credit version of SC/PHYS 3210 6.00 comprising a selection of the experiments in the latter course. These are chosen in consultation with the course director to reflect the student's particular program and background. One lecture/seminar hour per week, open laboratory hours. One term or equivalent. Prerequisites: SC/PHYS 2020 3.00; SC/PHYS 2040 3.00; SC/PHYS 2211 1.00; SC/PHYS 2212 1.00 is recommended. Corequisite: SC/PHYS 3040 6.00. Degree credit exclusion: SC/PHYS 3210 6.00.

SC/PHYS 3250 3.00 Introduction to Space Communications. The course covers all aspects of communications between spacecraft and ground stations. Topics include orbits, perturbations and launching methods, the essential characteristics and components of satellites, interplanetary spacecraft and ground stations, transmission, reception and link equations and access to a satellite. Prerequisite: SC/PHYS 2020 3.00. Prerequisite or corequisite: SC/PHYS 3050 3.00.

SC/PHYS 3280 3.00 Physics of the Space Environment. An introduction to the physical processes of the upper atmosphere, the ionosphere, the magnetosphere and the heliosphere and the interactions that occur with space vehicles that traverse these regions of space. Prerequisites: SC/PHYS 2020 3.00; SC/PHYS 2040 3.00.

Cross-listed to: SC/EATS 3280 3.00 and SC/PHYS 3280 3.00

SC/PHYS 3310 3.00 Space Mission Design. This course covers the basic aspects of space mission design including: mission types, objectives, technical readiness, risk mitigation, subsystems and public outreach. Three lecture hours. Prerequisites: SC/ENG 2000 6.00 or permission of the instructor.

Cross-listed to: SC/ENG 3310 3.00 and SC/PHYS 3310 3.00

SC/PHYS 3320 3.00 Microsystems Technology. The course covers the principles and implementations of miniaturised sensors and actuators in a range of physical domains, such as optical, magnetic, thermal and mechanical systems. Examples include electronic cameras, micro-electromechanical systems, thermal microsystems and display technologies. Three lecture hours. Prerequisite: SC/PHYS 2020 3.00; SC/PHYS 2211 1.00; SC/PHYS 2060 3.00 recommended; SC/PHYS 2212 1.00 recommended. Corequisite: SC/PHYS 3050 3.00 recommended.

Cross-listed to: SC/ENG 3320 3.00 and SC/PHYS 3320 3.00

SC/PHYS 3330 3.00 Space Engineering Materials. This course covers the basic behaviour and processing of engineering materials. The emphasis is on metals and alloys plus discussion of ceramics, plastics and composites. Three lecture hours. Prerequisite: SC/ENG 2000 6.00 or permission of the instructor.

Cross-listed to: SC/ENG 3330 3.00 and SC/PHYS 3330 3.00

SC/PHYS 4001 6.00 Space and Communication Sciences Workshop. This course is intended to allow the student to carry out the development of a specific space project, under the supervision of a faculty member, a

government scientist or an industrial associate. The equivalent of nine laboratory hours per week for two terms. Prerequisite: Satisfactory completion of the 3000-level courses in the space and communication sciences core. Degree credit exclusion: AK/AS/SC/COSC 4080 3.00.

Cross-listed to: SC/COSC 4001 6.00 and SC/EATS 4001 6.00 and SC/PHYS 4001 6.00

SC/PHYS 4010 3.00 Quantum Mechanics. (formerly half of SC/PHYS 4010 6.00 - before 2000-2001) Physical concepts and mathematical foundations of quantum mechanics. Emphasis on approximation methods, treatment of angular momentum, spin and their couplings. Introduction to relativistic quantum mechanics and scattering theory. Prerequisite: SC/PHYS 3040 6.00. Prerequisite(s) or corequisite(s): SC/PHYS 3020 3.00; AS/SC/MATH 3271 3.00.

SC/PHYS 4011 3.00 Atomic and Molecular Physics. (formerly half of SC/PHYS 4010 6.00 - before 2000-2001) Application of quantum mechanics to atomic and molecular structure. One-electron systems, many electron atoms, Hartree-Fock approximation, fine structure, hyperfine structure, atom-laser interactions. Prerequisite: SC/PHYS 4010 3.00.

SC/PHYS 4020 3.00 Electromagnetism II. Time-dependent electric and magnetic fields, Maxwell's differential equations in linear, isotropic, homogeneous conductors and dielectrics; the radiation and transmission of electromagnetic energy; relativistic transformation; scalar diffraction theory. Prerequisites: SC/PHYS 3020 3.00; AS/SC/MATH 3271 3.00.

SC/PHYS 4040 3.00 Nuclear and Fundamental Particle Physics. The properties of the fundamental particles (quarks and leptons), and the forces between them are studied. Topics include the interactions of particles with matter, symmetry principles and experimental techniques. Properties of nuclear matter (e.g. radioactive decays, fission, fusion) are also investigated. Prerequisites: SC/PHYS 3010 3.00, SC/PHYS 3020 3.00, SC/PHYS 4010 3.00.

SC/PHYS 4050 3.00 Solid State Physics. The structural, mechanical, thermal, electrical and magnetic properties of crystalline solids are studied. Prerequisites: SC/PHYS 3030 3.00; SC/PHYS 4010 3.00.

SC/PHYS 4060 3.00 Time Series and Spectral Analysis. Treatment of discrete sampled data by linear optimum Wiener filtering, minimum error energy deconvolution, autocorrelation and spectral density estimation, discrete Fourier transforms and frequency domain filtering and the Fast Fourier Transform algorithm. Three lecture hours. One term. Three credits. Prerequisites: AK/AS/SC/COSC 1540 3.00 or equivalent FORTRAN programming experience; AS/SC/MATH 2015 3.00; AK/AS/SC/MATH 2270 3.00. Degree credit exclusions: AK/AS/SC/COSC 4242 3.00, AK/AS/SC/COSC 4451 3.00, AS/SC/MATH 4130B 3.00, AS/SC/MATH 4930C 3.00.

Cross-listed to: SC/EATS 4020 3.00 and AS/MATH 4830 3.00 and SC/MATH 4830 3.00 and SC/PHYS 4060 3.00

SC/PHYS 4070 3.00 Stars and Nebulae. The astrophysics of radiating matter in the universe. The course covers radiation processes, radiative transfer, interstellar matter, stellar atmospheres and stellar interiors. Prerequisites: SC/PHYS 1070 3.00; SC/PHYS 3030 3.00; SC/PHYS 3040 6.00; AS/SC/MATH 3271 3.00.

SC/PHYS 4110 3.00 Dynamics of Space Vehicles. The dynamics of spacecraft in the near Earth and deep space environments, including the classical theory of orbits, the effects of perturbations on satellite orbits, rocket propulsion, orbital manoeuvres and satellite attitude control. Prerequisites: SC/PHYS 2010 3.00 or SC/EATS 2470 3.00; AS/SC/MATH 2015 3.00; AK/AS/SC/MATH 2270 3.00; AS/SC/MATH 3271 3.00 is strongly recommended.

SC/PHYS 4210 3.00 Experimental Physics. Advanced experiments in physics related to topics in solid state physics, optical and microwave spectroscopy, and nuclear physics. Six open laboratory hours. One term. Prerequisites: SC/PHYS 3210 6.00; registration in an Honours Program in Physics and Astronomy. Note: Students whose programs require six credits of 4000-level experimental physics take both SC/PHYS 4210 3.00

and SC/PHYS 4211 3.00, including different experiments as determined by the course coordinator.

SC/PHYS 4211 3.00 Experimental Physics. Advanced experiments in physics related to topics in solid state physics, optical and microwave spectroscopy, and nuclear physics. Six open laboratory hours. One term. Prerequisites: SC/PHYS 3210 6.00; registration in an Honours Program in Physics and Astronomy. Note: Students whose programs require six credits of 4000-level experimental physics take both SC/PHYS 4210 3.00 and SC/PHYS 4211 3.00, including different experiments as determined by the course coordinator.

SC/PHYS 4250 3.00 Signal and Communications Theory. Signal representation using orthogonal functions; Fourier series and transforms as applied to signals; ideal and physically realizable filters; the sampling theorem; definitions and characterizations of energy, power and their spectral densities; the modulation theorem; various kinds of modulation and bandwidth requirements. Prerequisites: SC/PHYS 3250 3.00; AS/SC/MATH 2015 3.00; AK/AS/SC/MATH 2270 3.00. Degree credit exclusion: AS/SC/MATH 4130B 3.00.

SC/PHYS 4270 4.00 Astronomical Techniques. An introduction to modern astronomical instrumentation, observational methods, data analysis and numerical methods. In addition to weekly lectures, the course provides students with hands-on experience with both observational and theoretical techniques of modern astronomy. Normally offered in alternate years. One and one half lecture hours per week, several laboratory exercises. Two terms. Prerequisites: SC/PHYS 1070 3.00; AS/SC/MATH 2015 3.00; AK/AS/SC/MATH 2270 3.00.

SC/PHYS 4310 3.00 Physics or Astronomy Project. A supervised research endeavour, either theoretical or experimental, in physics or astronomy. The project follows consultation with a faculty member who agrees to supervise. Prerequisite: Open to students in the final year of the Physics, Applied Physics, or Astronomy stream of an Honours Physics and Astronomy Program.

SC/PHYS 4330 3.00 Radio Techniques for Space Exploration. The theory and application of modern radio astronomy and radar techniques as they are currently used in deep space exploration and space exploration and space navigation. Three lecture hours per week. One term. Three credits. Prerequisites: SC/PHYS 3250 3.00.

Cross-listed to: SC/ENG 4330 3.00 and SC/PHYS 4330 3.00

SC/PHYS 4350 2.00 Space Hardware Laboratory. A laboratory course with modules supporting various fourth-year space engineering courses. Three laboratory hours per week. Two terms. Two credits. Corequisites: SC/COSC 4421 3.00; SC/PHYS 4360 3.00; and three of SC/EATS 4220 3.00, SC/EATS 4230 3.00, SC/ENG 4110 3.00, SC/PHYS 3070 3.00, SC/PHYS 4330 3.00.

Cross-listed to: SC/ENG 4350 2.00 and SC/PHYS 4350 2.00

SC/PHYS 4360 3.00 Payload Design. A survey of typical applications of spacecraft technology including communications systems, location systems, terrestrial applications and exploration missions. Prerequisites: SC/PHYS 3050 3.00; SC/PHYS 3150 3.00; SC/PHYS 3280 3.00 or SC/ENG 3310 3.00.

Cross-listed to: SC/ENG 4360 3.00 and SC/PHYS 4360 3.00

SC/PHYS 4450 3.00 Spacecraft Systems. The course begins with a presentation of the basic principles underlying the design of spacecraft systems to meet the requirements of an orbital environment. It then develops the concepts and current approaches to spacecraft electrical, mechanical and thermal design. Prerequisites: SC/PHYS 3050 3.00; SC/PHYS 3250 3.00; SC/PHYS 3280 3.00 or SC/EATS 3280 3.00.

SC/PHYS 4550 3.00 Introduction to Control Systems. An introduction to the analysis and design of automatic control systems for linear time-invariant systems. Prerequisites: AS/SC/MATH 2015 3.00; AK/AS/SC/MATH 2270 3.00; AK/AS/SC/MATH 3410 3.00 strongly recommended.

Political Science – Arts, Atkinson, Glendon

Arts:

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Web Address:

<http://www.arts.yorku.ca/politics/>

Chair of Department:

TBA

Distinguished Research Professor:

L.V. Panitch

Professors:

A. Acharya, R. Albritton, I. Bakker, D. Dewitt, E. Dosman, F.J. Fletcher, S. Gill, C.I. Greene, J. Hellman, S. Hellman, K. Huebner, D. Leyton-Brown, D. McNally, K. McRoberts, D. Shugarman, O. Subtelný, H.T. Wilson

Associate Professors:

G. Albo, S. Bell, G. Comninel, A. Denholm Crosby, R.J. Drummond, S. Forsyth, A. Horowitz, R. MacDermid, E. Morera, D. Mutimer, A. Mukherjee-Reed, S. Newman, J. Newton, J. Nitzan, S. Plekhanov, R.A. Rudolph, M. Thomas, S.L. Whitworth

Assistant Professors:

R. Bazowski, J. Boudreau, N. Canefe, S. Henders, M. Li, R. Saunders, W. Swanson

Professors Emeriti:

N. Black, R. Cornell, R. Cox, B. Frolic, M.D. Goldrick, R.W. Grant, H. Kaplan, C. Lenhardt, L. North, H. Simmons, J. Saul, G. Szablowski, D. Verney

The political science curriculum offers students a program of study that highlights the department's particular strengths. The program is designed to develop a student's ability in three areas: 1) Political analysis: Students will learn to think critically about political life, especially in relation to the use and abuse of power, rights and responsibilities, different forms of diversity, and communities and nations in a global context. 2) Critical skills: The program emphasizes the development critical skills that will be an asset for future employment, including effective written and oral communication skills, analytical and numerical skills, and collaborative skills. 3) Democratic awareness: Students will learn how power and authority are exercised, and the possibilities of acting politically to bring about change.

The department offers a broad range of courses that focus on different themes. Students who major or minor in political science may choose to focus on one theme, or may take courses from several of the following themes:

- Canadian Democracy in the North American Context;
- Development, Inequality and the Global South;
- Gender, Diversity and Inclusion;
- Global Politics;
- Law, Social Justice and Ethics;
- Political Economy and Political Power;
- Political Organizing and Communication;
- Political Thought;
- Public Policy and Administration;
- Violence and Security.

In their final year of study, all political science majors and minors will take a capstone course that allows for reflection on their program of study and application of this knowledge to career and life goals. For further information regarding the capstone courses, please consult the departmental supplemental calendar or Web site.

A number of 1000- and 2000-level courses are also available to those students who wish to deepen their knowledge of political issues. As well, many of the upper-level courses are also open to non-majors who wish to further explore various political issues. For more detailed information, please consult the departmental supplemental calendar or Web site.

The Political Science Program equips students with a broad set of analytical skills, critical skills and democratic awareness that gives our graduates the opportunity to pursue employment in a range of areas, including: the public service, international agencies, advocacy organizations, the media, and political organizations. Graduates of the

program will be especially qualified to pursue graduate work in political science, or further studies in law, education or journalism.

For specific program requirements, please consult the Faculty of Arts Programs of Study section of this Calendar.

The department also offers Specialized Honours BA degree programs in Public Policy and Administration and Global Political Studies. For details, please consult the Faculty of Arts Programs of Study section of this Calendar.

Subject to program requirements and degree credit equivalent/exclusion and in-Faculty regulations, students may complete courses offered outside of the Faculty of Arts for credit in political science.

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Undergraduate Program Director:

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Professors:

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Associate Professors Emeriti:

M.D. Henderson, S.O. Kjellberg, C.I. Lumsden

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L. Lyons

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E. Mahant

Professors/Professeurs titulaires :

E. Mahant, K.H. McRoberts

Associate Professors/Professeurs agrégés :

S. Arend, B.N. Cham, T.A. Heinrichs

Assistant Professor/Professeure adjointe:

J. Bergeron

Not all courses listed are offered in any given year. A more specific and up-to-date description of courses and their instructors is available from the department. Students are strongly advised to consult the supplementary calendar.

Tous les cours indiqués ici ne sont pas nécessairement offerts chaque année. Une description plus détaillée, mise à jour avec le nom de l'enseignant, est disponible auprès du département. On recommande très vivement aux étudiants de consulter le mini-anuaire du département.

Note/N.B. : Courses which have 2 as the first digit of the course number are open to first-year students./Les cours dont le numéro commence par le chiffre 2 sont ouverts aux étudiants de première année.

Courses in Political Science

1000-Level Courses

Note for Arts students: Open to all students. Should be taken in their first or second year (i.e. before successfully completing 54 credits).

AS/POLS 1000 6.00 Introduction to Politics: Exploring the Democratic Experience. This course introduces students to the central concepts of political science. The emphasis is on how individuals participate in politics and on how politics may be changed. Among the topics to be considered are the following: nationalism and nation building, liberalism, communism, fascism, power, war, imperialism and dependency, international organization, interdependence and integration.

Material from municipal, provincial, national and international levels of politics will be included as well as material on current policy issues, such as recent changes in the Ontario Human Rights Code.

Cross-listed to: AS/POLS 1000 6.00 and AK/POLS 2410 6.00

AS/POLS 1090 3.00 Introduction to Business, Government and Society. Three decades of sweeping change in the organization of the Canadian economy and state have transformed Canadian social life, from unemployment to the workplace. This course explores these changes within a broader historical and global framework.

GL/POLS 1400 6.00 Introduction to Political Studies. The course deals with the scope, concerns, orienting concepts, leading approaches and methodologies of political inquiry, the major political ideologies, formal and informal institutions in the political process, problems of political and social change and international politics. Degree credit exclusion: GL/POLS 2400 6.00(EN).

GL/POLS 1400 6.00 Introduction à la science politique. Ce cours s'adresse à tous ceux qui désirent savoir comment on peut étudier de façon scientifique les différents aspects de la vie politique, qu'il s'agisse d'institutions, de partis politiques, de groupes de pression, d'idéologie etc. Cours incompatible : GL/POLS 2400 6.00(FR).

Language of Instruction: French

AS/POLS 2300 6.00 Introduction to Empirical Theory. Introduction to the issues, procedures and theories associated with the empirical approach to the study of politics. The course includes an examination of the origins and critical debates of political science and a survey of the major empirical theories of politics. Note: This course is a prerequisite for most 3000- and 4000-level courses in empirical theory and methodology.

AK/POLS 2410 6.00 Introduction to Politics: Exploring the Democratic Experience. This course introduces students to the central concepts of political science. The emphasis is on how individuals participate in politics and on how politics may be changed. Among the topics to be considered are the following: nationalism and nation building, liberalism, communism, fascism, power, war, imperialism and dependency, international organization, interdependence and integration. Material from municipal, provincial, national and international levels of politics will be included as well as material on current policy issues, such as recent changes in the Ontario Human Rights Code.

Cross-listed to: AS/POLS 1000 6.00 and AK/POLS 2410 6.00

GL/POLS 2430 6.00 Public Opinion, Pressure Groups and Political Parties. An introduction to the dynamism of public opinion and attitude change, the roles and functioning of organized groups and political parties in the political process and the various orientations in the study of these input aspects of pluralistic politics.

AK/POLS 2440 6.00 Introduction to Political Thought. A survey of various central questions in social and political theory, based on selections from the writings of major figures in the history of political thought.

Cross-listed to: AK/PHIL 2440 6.00 and AK/POLS 2440 6.00

GL/POLS 2480 6.00 Systèmes politiques comparés: Europe centrale et orientale. Ce cours examine, dans le cadre d'une étude comparative, le passé communiste, la politique de transition et les nouvelles institutions des États d'Europe centrale et orientale. Cours incompatible : GL/POLS 3225 6.00(FR).

Language of Instruction: French

GL/POLS 2490 6.00 The Birth of Politics. The course begins by considering early forms of political organization and the origins of the state, and goes on to examine the unique political experience of the ancient Greeks which laid the foundations for the Western tradition of political theory and practice. Readings in anthropology, history, literature and philosophy.

GL/POLS 2500 6.00 Introduction to Public Administration. An introduction to the basic elements of public administration, with examples drawn primarily from the Canadian public service. Topics covered include the organization of the public service, planning and financial

administration, personnel administration and political and administrative control.

GL/POLS 2500 6.00 Introduction à l'administration publique. Ce cours a pour but d'initier les étudiants aux principes de base de l'administration publique. Les exemples seront tirés de la fonction publique canadienne. Les thèmes choisis seront les suivants : la structure de la fonction publique, la planification et l'administration financière, la gestion du personnel, le contrôle politique et administratif.

Language of Instruction: French

GL/POLS 2600 6.00 Government and Politics of Canada. This course examines some of the key institutions and processes of political life in Canada. It deals with the origins and development of Canadian political traditions, political parties, the evolution and contemporary nature of the federal system, the role of interest groups, the electoral system and voting behaviour, the Prime Minister and the Cabinet, the legislative system and the public policy process. Degree credit exclusion: GL/POLS 2540 6.00(EN), GL/POLS 2011 6.00(FR) (Fall/Winter 1994-1995).

Cross-listed to: GL/CDNS 2600 6.00 and GL/POLS 2600 6.00

GL/POLS 2600 6.00 Introduction au gouvernement et à la politique du Canada. On étudie le processus politique au Canada en examinant l'évolution du système fédéral, de la culture politique, des principales institutions législatives, exécutives, judiciaires et administratives ainsi que le rôle des groupes de pression, des partis politiques, du système électoral et des principaux acteurs politiques. Cours incompatibles : GL/POLS 2540 6.00(EN), GL/POLS 2011 6.00(FR) (Automne/hiver 1994-1995).

Language of Instruction: French

Cross-listed to: GL/CDNS 2600 6.00 and GL/POLS 2600 6.00

GL/POLS 2610 3.00 Introduction to Statistical Methods I. This course covers the elements of probability theory and standard probability distributions, the measures and techniques used in descriptive statistics, principles of sampling and tests of significance. Prerequisite: OAC or Grade 12 mathematics.

Cross-listed to: GL/MATH 1610 3.00 and GL/MODR 1610 3.00 and GL/POLS 2610 3.00 and GL/SOCI 2610 3.00

GL/POLS 2620 3.00 Introductory Statistics II. This course covers the correlation and regression analysis, analysis of variance and parametric tests, and problem work emphasizing applications of statistics in the social sciences. Prerequisite: GL/MATH 1610 3.00 or permission of the instructor.

Cross-listed to: GL/MATH 1620 3.00 and GL/MODR 1620 3.00 and GL/POLS 2620 3.00 and GL/SOCI 2620 3.00

GL/POLS 2630 6.00 Ancient Philosophy and Political Theory. The development of inquiry about the order of nature and society is traced. Special attention is given to the ethical and political theories of Plato and Aristotle.

Cross-listed to: GL/PHIL 2630 6.00 and GL/POLS 2630 6.00

GL/POLS 2630 6.00 Éthique et politique : les origines. Ce cours est une introduction à la philosophie ancienne, qui souligne la pensée de Platon et d'Aristote sous le rapport des questions politiques et morales. La lecture de ces philosophes permettra aussi d'explorer leurs théories épistémologiques et métaphysiques.

Language of Instruction: French

Cross-listed to: GL/PHIL 2630 6.00 and GL/POLS 2630 6.00

GL/POLS 2660 6.00 Société et politique. La philosophie politique a pour objet les principes du pouvoir politique et de son maniement. Les principes qu'elle propose sont censés répondre aux questions fondamentales le concernant : pourquoi une organisation sociale doit-elle avoir une justification morale; qui peut (ou doit) gouverner, comment, et dans quel but? Ce cours se propose d'examiner les réponses les plus influentes qu'ont apportées à ces questions les philosophes de l'Antiquité et de l'ère moderne.

Language of Instruction: French

Cross-listed to: GL/HUMA 2660 6.00 and GL/PHIL 2660 6.00 and GL/POLS 2660 6.00

AK/AS/POLS 2900 6.00 Perspectives on Politics: Classics of Western Political Thought. This course examines different answers to critical questions concerning who rules, who ought to rule, and the conditions, institutions and practices necessary to realize ideals of rule. Degree credit exclusions: AS/POLS 2040 6.00, AK/POLS 2440 6.00.

Cross-listed to: AK/PHIL 2440 6.00 and AK/POLS 2900 6.00 and AS/POLS 2900 6.00

AS/POLS 2910 6.00 Canadian Democracy in a North American Context. This course introduces some of the political developments and nature of Canadian democracy in the context of the wider North American community. Topics include the constitution; the Charter of Rights; federalism; elections; social and economic development; migration; human rights and; NAFTA. Degree credit exclusions: AS/POLS 2100 6.00, AS/POLS 2610 6.00, AK/POLS 3420 6.00, GL/POLS 2600 6.00.

AS/POLS 2920 6.00 Global Politics. This course explores the forces that structure power, conflict, compromise and cooperation both within states and among them, emphasizing the diversities and inequalities, the violence, and the on-going struggles to achieve political community that mark the present era of 'globalization.' Degree credit exclusion: GL/ILST 2300 3.00.

GL/POLS 2920 6.00 Introduction to International Relations. A study of the nature of international politics, with special attention given to the conditions and consequences of war and peace among nation states; the impact on the international system of factors such as the politics of food, environment, population, the sea-bed and outer space, multinational corporations and cartels of raw-materials producers, the call for a new international economic order. Degree credit exclusion: GL/POLS 3250E 6.00.

Cross-listed to: GL/ILST 2920 6.00 and GL/POLS 2920 6.00

GL/POLS 2920 6.00 Introduction aux relations internationales. Ce cours offre une introduction aux principaux concepts et problèmes de relations internationales et plus particulièrement des problèmes internationaux contemporains. L'actualité internationale contemporaine sert de base à l'analyse de cas concrets. Cours incompatible: GL/ILST/POLS 3900 6.00.

Language of Instruction: French

Cross-listed to: GL/ILST 2920 6.00 and GL/POLS 2920 6.00

AS/POLS 3011 3.00 The Politics of Sexuality/Sexual Politics. Since the 1980s research has challenged popular conceptions of sex as a natural and biological force. This course explores the socio-political construction of sexualities through the fields of psychoanalysis, law, education, sexology and popular culture. Degree credit exclusion: AS/POLS 3000A 3.00.

GL/POLS 3011 6.00 Formation et développement de la société québécoise/Formation and development of Quebec Society. Le cours montre comment le Québec est entré au Xxe siècle dans l'espace du Canada français pour en ressortir dans l'espace québécois. On cerner son développement à l'aide d'indicateurs, de discours et des interprétations données au fil des ans./This course will examine how Québec shifted from a French Canadian to a Québécois space over the course of the 20th century. We will examine social developments using social indicators, texts and interpretations showing these historical developments.

Language of Instruction: English/French

Cross-listed to: GL/CDNS 3011 6.00 and GL/HIST 3011 6.00 and GL/POLS 3011 6.00 and GL/SOCI 3011 6.00 and GL/SOSC 3011 6.00

GL/POLS 3013 3.00 Médias et Politiques. Ce cours vise à analyser de façon critique les enjeux du paysage médiatique actuel et les liens avec le domaine politique. Les thèmes abordés sont les suivants: médias et propagande, nouvelles technologies et information continue, concentration de la presse et débats démocratiques, mondialisation et standardisation.

Language of Instruction: French

Cross-listed to: GL/HUMA 3013 3.00 and GL/POLS 3013 3.00 and GL/SOSC 3013 3.00

AS/POLS 3020 3.00 Utopia, Power and Sovereignty. How did social change, wars and the confrontation between Protestantism and Catholicism shape political thought in the Renaissance and Reformation? Issues of power, liberty, faith, obedience, self interest and the common good are explored through More, Machiavelli, Bodin, Hooker, Luther and Calvin among others. Degree credit exclusion: AS/POLS 3010 6.00.

AS/POLS 3025 3.00 A Century of Revolution. In the 1600's, England was altered by sweeping transformations of social, economic, religious and political institutions. Through James I, Hobbes, Locke, the Levellers and Diggers and others' works, we explore how this 'century of revolution' shaped modern political thought. Degree credit exclusion: AS/POLS 3020 6.00.

AS/POLS 3040 6.00 Modern Political Thought: Kant to Foucault. In this course we shall study those thinkers whose theories have had the greatest impact in shaping the modern world including Marx, Nietzsche, Freud, Marcuse and Foucault. Degree credit exclusions: AS/POLS 3035 3.00, AS/POLS 3040 3.00, AS/POLS 3045 3.00.

AS/POLS 3065 3.00 Political Culture of Race and Racism. This course analyzes the political, economic and cultural development of race and racism in political discourse. Attention is given to categories such as "Eurocentric" and "the West". We deal with the historical development of identity politics versus political correctness debates. Degree credit exclusion: AS/POLS 3000B 3.00 (Fall/Winter 1997-1998).

AS/POLS 3070 3.00 Psychology and Politics. This course involves the use of personality concepts in contemporary political thought. After outlining some psychological theories, starting with Freud, the focus is on selected problems: ideology, freedom and the law, community and utopia, leadership and biography, democratic participation, totalitarianism and conservatism. Degree credit exclusion: AS/POLS 3070 6.00.

AS/POLS 3075 3.00 Law, Justice and Jurisprudence. This course deals with the theories and principles of law and justice which underlie legal systems, with an emphasis on how these theories and principles impact on the political process. Readings draw from a variety of classical and contemporary sources. Degree credit exclusion: AS/POLS 3130 6.00.

AS/POLS 3100 3.00 Media, Identity and Citizenship. This course examines the principles and theories underlying communications and cultural practices, policy and regulation in Canada, with particular attention to the role of the state and the private sector in shaping the nature of political and cultural discourse in Canada.

GL/POLS 3100 3.00 Individual Reading and Research. An opportunity for students to pursue their individual interests in political science under the guidance of a staff member. Note: Permission of the Chair required.

GL/POLS 3100 3.00 Travail individuel. Le département de science politique permet aux étudiant(e)s de prendre des cours de lectures dirigées (individuels) jusqu'à un maximum de neuf crédits. Ces cours sont initiés par les étudiants qui doivent présenter un sujet au professeur qui, ensuite, décide si elle/il peut ou veut encadrer le projet. Les cours requièrent habituellement un ou deux travaux, ou une série de lectures à faire et à discuter avec le/la professeur(e).

Language of Instruction: French

GL/POLS 3100 6.00 Individual Studies. An opportunity for students to pursue their individual interests in political science under the guidance of a staff member. Note: Permission of the Chair required.

GL/POLS 3100 6.00 Travail individuel. Le département de science politique permet aux étudiant(e)s de prendre des cours de lectures dirigées (individuels) jusqu'à un maximum de neuf crédits. Ces cours sont initiés par les étudiants qui doivent présenter un sujet au professeur qui, ensuite, décide si elle/il peut ou veut encadrer le projet. Les cours requièrent habituellement un ou deux travaux, ou une série de lectures à faire et à discuter avec le/la professeur(e).

Language of Instruction: French

AS/POLS 3110 3.00 The Process of Urban Politics I: Issues, Institutions and Ideology. An examination of the political systems of major metropolitan areas in Canada, including the following topics: the structure and operation of municipal government; the role of cities in national and provincial governments; city elections and parties; and political aspects of urban planning.

AS/POLS 3125 3.00 Canadian Political Economy. An exploration of the rich tradition of Canadian political economy through a survey of the traditional as well as emerging approaches and issues. The classical political economy writers, including the pioneering staples school, are examined, as well as more recent writers. Critiques and explanations of political economists - old and new - will highlight the elements of past and current Canadian political and economic development. Degree credit exclusion: AS/POLS 3000A 3.00.

AS/POLS 3140 3.00 Political Economy of Labour in Canada. An analysis of the role organized labour has played in the political economy of Canada. The course traces the interaction of labour, business and government and focuses on the contemporary struggle of labour as it confronts the corporate state. Degree credit exclusions: AS/POLS 3140 6.00, AS/SOSC 3280 6.00.

Cross-listed to: AS/POLS 3140 3.00 and AS/SOSC 3280 3.00

AK/AS/POLS 3145 3.00 Government and Business in Canada. This course describes the role of market forces and corporate institutions in shaping Canada's political economy and the attempt to control or regulate the corporate sector. Degree credit exclusion: AS/POLS 3000B 3.00, AK/POLS 3209L 3.00.

Cross-listed to: AK/POLS 3145 3.00 and AS/POLS 3145 3.00

AK/AS/POLS 3150 3.00 Political Parties in Canada. An intensive examination of the origins and development of political parties in Canada, including the three major parties and smaller parties which have arisen from time to time at the federal and provincial levels. Degree credit exclusion: AK/POLS 3209K 3.00.

Cross-listed to: AK/POLS 3150 3.00 and AS/POLS 3150 3.00

AK/AS/POLS 3155 3.00 Election Campaigns in Canada. An intensive examination of political science studies of elections, voter decision-making, campaigns and campaign strategies in Canada. Degree credit exclusion: AK/POLS 3209H 3.00.

Cross-listed to: AK/POLS 3155 3.00 and AS/POLS 3155 3.00

AS/POLS 3165 6.00 Problems in Canadian Business Law. This course describes the legal rules that govern the conduct of business in Canada and samples the extensive normative commentary on these issues. Students also develop their capacity to present written arguments reflecting their own views on the law. Degree credit exclusions: AS/ECON 4500 3.00 and AS/ECON 4510 3.00.

Cross-listed to: AS/POLS 3165 6.00 and AS/SOSC 3165 6.00

AS/POLS 3175 3.00 Ontario Provincial Politics. An analysis of Ontario provincial politics. The course focuses on substantive problems of Ontario provincial politics and on formal and informal institutions of Ontario's government in the context of the Canadian federal system. Degree credit exclusion: AS/POLS 3170 6.00.

AS/POLS 3190 6.00 Public Administration. This course examines the theory and practice of public administration and the machinery of government, with particular reference to Canada. It discusses who makes policy, how policy is developed and implemented, and how the system is controlled and evaluated. Degree credit exclusions: AS/POLS 3610 6.00, AK/POLS 3410 6.00, GL/POLS 3240 6.00.

AS/POLS 3200 3.00 Global Conflict and Security I. This course acquaints students with issues surrounding conflict and security in global politics as it has evolved over the past three centuries. It examines the history and development of war from the medieval period to the era of total war, and the main currents of thought on issues of war and peace. Degree credit exclusions: AS/POLS 3200 6.00, AS/POLS 3210 6.00.

GL/POLS 3200 6.00 Systèmes politiques comparés de l'Afrique subsaharienne. Ce cours constitue une introduction à l'analyse des nuances et sensibilités du politique en Afrique au Sud du Sahara influencés par une colonisation diverse. A ce titre, il s'attache principalement à fournir les instruments théoriques, conceptuels et méthodologiques nécessaires à l'appréhension des phénomènes politiques subsahariens.

Language of Instruction: French

AS/POLS 3210 3.00 Global Conflict and Security II. This course explores the issues surrounding different dimensions of conflict and security in the contemporary period. In its broadest sense, security can be understood not only in military, but also in political, economic, cultural and social terms. Several specific themes will be examined in this course, including: national liberation struggles and the rise of protracted social conflicts, the ethics of war, gender and conflict and the analytic attempts to define alternative conceptions of security. Prerequisite: AS/POLS 3200 3.00. Degree credit exclusions: AS/POLS 3200 6.00, AS/POLS 3210 6.00.

GL/POLS 3210 6.00 Comparative Political Systems: Western Europe. A comparative approach towards the study of political life, processes and institutions in Western Europe. It introduces students to the general problems of analyzing political systems in light of recent theories and models of comparative politics. Prerequisite: A 2000-level course in political science or GL/HIST 1600 6.00.

Cross-listed to: GL/POLS 3210 6.00 and AK/POLS 3520 6.00

AS/POLS 3220 3.00 Comparative Foreign Policy Analysis. Examination of the value of cross-national comparisons by considering the conduct and sources of the contemporary foreign policies of at least two countries drawn from a list including the United States, China, Japan and Russia. Particular attention is devoted to the domestic forces with shape policy formulation and implementation. Degree credit exclusion: AS/POLS 3230 6.00.

GL/POLS 3220 6.00 Comparative Political Systems: Developing Areas. A comparative and critical analysis of the process of system-transformation and political change in developing areas focusing upon the current theoretical literature which attempts to conceptualize, explain and predict the problems of political development and modernization in these changing societies.

AK/POLS 3230 3.00 Global Issues in Foreign Policy. Increasingly, problems such as environmental degradation, sustainable development, the uses and effects of technology in financial, production and communication systems, human rights abuses, refugee and population movements, and militarization, require solutions that can only be realized within a system of multilateral cooperation. The purpose of this course is to introduce students to the foreign policy decision-making process in terms of these global issues. Degree credit exclusion: AS/POLS 3230 3.00. Note: Not open to students who have taken AK/POLS 3209C 3.00.

AS/POLS 3230 3.00 Global Issues in Foreign Policy. Increasingly, problems such as environmental degradation, sustainable development, the uses and effects of technology in financial, production and communication systems, human rights abuses, refugee and population movements and militarization, require solutions that can only be realized within a system of multilateral cooperation. The purpose of this course is to introduce students to the foreign policy decision-making process in terms of these global issues. Degree credit exclusion: AS/POLS 3230 6.00.

GL/POLS 3230 6.00 Government and Politics of the United States. An examination of contemporary American public life. Special attention is given to the presidency, the legislative process, federalism, the protection of individual liberties and the evolution of foreign and domestic policy. Note: Open to first-year students.

AS/POLS 3240 3.00 Multilateralism I: The United Nations, Regional Organizations and International Law. Multilateralism concerns the management of conflict and the building of cooperation among the variety of political entities and agents that enter the field of world politics and governance. This course provides students with a better understanding of

the evolving role of international organization within the broader context of changing world politics and international law. Emphasis is placed on the historical development of international organization.

GL/POLS 3240 6.00 Canadian Public Policy. This course examines the public policy making process in Canada. It examines the economic, social and political context within which public policies are formulated, the role and nature of public policies within the political system, the institutional process through which public policies are formulated and the particular problems of formulating public policy within a federal state. Special attention is paid to particular areas of public policy such as energy policy, social welfare policies, regional development policy, economic policy and foreign investment policy. Prerequisite: GL/POLS 2450 6.00(EN) or GL/POLS 2600 6.00 or permission of the instructor.

GL/POLS 3244 3.00 Municipal Intern Program: Organization and Reform. Students taking GL/POLS 3550 3.00 are eligible to be part of a program under which they work one day per week for a municipal councillor in Metro Toronto. Weekly diaries are submitted to the instructor. This course is part of Glendon's Work and Study Program. Corequisite: Student must be simultaneously enrolled in GL/POLS 3550 3.00. Degree credit exclusions: No one who has previously taken GL/POLS 2690 3.00 or GL/POLS 2691 3.00 is eligible to take this course.

GL/POLS 3245 3.00 Municipal Intern Program: Policy and Power. Students taking GL/POLS 3691 3.00 are eligible to be part of a program under which they work one day per week for a municipal councillor in Metro Toronto. Weekly diaries are submitted to the instructor. This course is part of Glendon's Work and Study Program. Corequisite: Student must be simultaneously enrolled in GL/POLS 3691 3.00. Degree credit exclusions: No one who has previously taken GL/POLS 2690 3.00 or GL/POLS 2691 3.00 is eligible to take this course.

AS/POLS 3250 3.00 Multilateralism II: The Political Economy of International Organizations. Multilateralism concerns the management of conflict and the building of cooperation among the variety of political entities and agents that enter the field of world politics and governance. The course builds upon the introduction provided in AS/POLS 3240 3.00, and examines actual structures, processes, activities and instruments of international organizations within and outside the UN Family. Prerequisite: AS/POLS 3240 3.00.

AK/POLS 3250 6.00 Law and Society: Legal Institutions and Social Justice. This course examines the interrelationship between law and the social sciences with emphasis on types of legal thought, the function of law in society, legal systems and a variety of specific issues involving Canadian society and law, such as the legal profession, the criminal process, civil and political rights and family law. Note: Not open to students who have taken AK/POLS 3209G 6.00 or AK/SOSC 3209A 6.00.

Cross-listed to: AK/POLS 3250 6.00 and AK/SOSC 3250 6.00

AK/AS/POLS 3260 6.00 War and Peace in the Middle East. A study of the relations between Israel and its contiguous neighbours, including the historical origins of the current stalemate and an assessment of the various approaches to peacemaking in the area. Degree credit exclusion: AK/POLS 3209J 6.00.

Cross-listed to: AK/POLS 3260 6.00 and AS/POLS 3260 6.00

GL/POLS 3260 6.00 Politique publique comparée. Examen des principaux cadres théoriques pour l'étude de la formulation et de la mise en oeuvre des politiques publiques. Études de cas choisis parmi des pays de différents niveaux de développement et examen des problèmes typiques auxquels ces pays doivent faire face, selon leur niveau de développement économique. Condition préalable : GL/POLS 2500 6.00.

Language of Instruction: French

AS/POLS 3270 3.00 Global Political Economy I: Theory and Approaches. This course introduces theoretical perspectives and concepts of global political economy, and applies them in the identification of various substructures in the context of historical developments, especially since the 19th century. Degree credit exclusions: AS/ECON 3190 3.00, AK/POLS 3700 6.00.

AS/POLS 3275 3.00 Global Political Economy II: Issues and Problems Since 1945. This course focuses on problems and issues relating to the post-1945 global political economy. Degree credit exclusions: AS/ECON 3190 3.00, AK/POLS 3700 6.00.

AS/POLS 3280 3.00 Canada and World Affairs. This course explores the impact of external developments on Canada and Canadians, and the role and behaviour of Canadian traditional state, foreign and defence policy instruments, other governmental actors, and non-governmental organizations and forces in bilateral and multilateral contexts.

AK/POLS 3280 6.00 Political Economy of the Asian-Pacific Region. The transformation of Eastern Asian countries such as Japan, the East Asian NIC's and Mainland China from largely agricultural and traditional societies into industrialized, increasingly urbanized high consumption-nation-states is explored as important global phenomena of our time. Note: Not open to students who have taken AK/POLS 3209D 6.00.

GL/POLS 3290 6.00 Government and Politics of China. An analysis of post-1840 China's revolutionary change focusing upon the collapse of traditional order, the rise of nationalism and revolutionary movements, the development of the New Democratic Revolution and Mao's thought, and the politics of socialist construction in post-1949 China.

AS/POLS 3300 6.00 Statistics for Social Sciences. This course provides a basic understanding of the statistical reasoning and fundamental statistical techniques frequently used to analyze social data. It introduces students to the uses of computers and statistics in the social sciences. It helps develop necessary critical skills to evaluate empirical research. Degree credit exclusions: AS/ECON 2500 3.00, AS/SC/GEOG 2420 3.00, AS/SC/GEOG 3421 3.00, AS/SC/KINE 2050 3.00, AS/SC/KINE 3150 3.00, AK/AS/SC/MATH 1131 3.00, AS/MATH 1132 3.00, AK/AS/SC/MATH 2560 3.00, AK/AS/SC/MATH 2570 3.00, AK/AS/SC/PSYC 2020 6.00, AK/AS/SC/PSYC 2021 3.00, AK/AS/SC/PSYC 2022 3.00, AK/PSYC 2510 3.00, AK/PSYC 3110 3.00, or equivalent.

Cross-listed to: AS/POLS 3300 6.00 and AS/SOCI 3030 6.00

AK/POLS 3330 6.00 Politics and the Mass Media. An inquiry into the communicative aspects of politics and the relation of politics to the mass media, with an historical investigation into the influence of cultural technologies, media institutions and the organization of the news on public opinion and democracy. Note: Not open to students who have taken AK/POLS 3320M 6.00.

GL/POLS 3360 6.00 Politics in Quebec/La politique du Québec. An introduction to the forces, processes and institutions of political life in Quebec and an analysis of them in terms of the concepts and models of political science./Une introduction aux forces, aux interactions et aux institutions de la vie politique de Québec ainsi que leur analyse selon les concepts et les modèles de la science politique.

Language of Instruction: English/French

AS/POLS 3400 3.00 Political Economy of Industrial Democracies. This course provides an analysis of the political economy of the advanced capitalist democracies in the postwar period. The primary area of focus is Western Europe, but the subject matter may also include Japan and the USA. Degree credit exclusion: AS/POLS 3700 3.00.

AS/POLS 3401 3.00 Post-Communist Transformations: Can East Become West? An examination of key problems of political and economic change in post-communist societies, especially Russia, including economic and political liberalization, the challenge of nationalism and democratization. Degree credit exclusions: AS/POLS 3501 3.00, AS/POLS 3720 3.00.

AK/POLS 3405 6.00 Politics and Law. Examines the growing importance of the legal system in Canadian politics, exemplified by the Canadian Charter of Rights and Freedoms. The focus will be on the question of the democratic character of this change and what it means for politics to take this form. Note: Not open to students who have taken AK/SOCI 3900C 6.00.

Cross-listed to: AK/POLS 3405 6.00 and AK/SOCI 3405 6.00

AS/POLS 3410 3.00 Globalization, State Theory and City-Regions.

This course explores the development of global city-regions in a comparative perspective, including a critical assessment of state restructuring processes and how globalization is anchored in urban politics and the ways in which city-regions constitute sites of global contestation. Degree credit exclusion: AS/POLS 3115 3.00.

AK/POLS 3410 6.00 The Politics of Public Administration and Public Policy in Canada. Examines the creation and implementation of public policy in Canada. Focuses on the competition between social actors for influence over the policy agenda, the processes through which competing interests are mediated within the bureaucracy, and the politics of policy implementation and of public service delivery.

AK/POLS 3420 6.00 Introduction to Canadian Government and Politics. The process of Canadian government is studied through an examination of the institutional framework and socio-economic context of Canadian politics. Topics include federalism, public policy and administration, parties and elections, interest groups and the structures and operation of parliamentary government. Degree credit exclusion: AS/POLS 2610 6.00. Note: This course is required for political science majors.

AS/POLS 3450 3.00 Women and Politics. This course examines women's political position in advanced capitalist countries. The focus is historical, theoretical and issue-oriented. Issues examined include the politics of racism, sexuality, reproduction, pornography within formal political structures and community organizing. Degree credit exclusions: GL/POLS 4960E 6.00, GL/WWST 4960E 6.00.

Cross-listed to: AS/POLS 3450 3.00 and AS/SOSC 3170 3.00 and AK/WWST 3516 3.00 and AS/WWST 3516 3.00 and GL/WWST 3516 3.00

AS/POLS 3455 3.00 Topics in Women and Politics. Possible issues include women and employment, politics of reproduction, politics of racism, gender and international relations, feminist theory etc. Degree credit exclusions: AS/POLS 3450 6.00, AS/SOSC 3170 6.00.

Cross-listed to: AS/POLS 3455 3.00 and AS/SOSC 3175 3.00 and AK/WWST 3517 3.00 and AS/WWST 3517 3.00 and GL/WWST 3517 3.00

AK/POLS 3470 3.00 English-Speaking Caribbean: Development and Underdevelopment. Examines the nature of politics in the region as a whole and in specific countries. Focuses upon the region's historical economic dependence upon metropolitan countries and the emergence of new political forces and institutions in response to changes in its socio-economic structure. Note: Not open to students who have taken AK/POLS 3460 6.00.

AK/POLS 3470 6.00 Work and Employment in the Global Economy. This course examines the dramatic changes in work and employment practices, new production processes and increased capital mobility against the background of the emerging global economy. Special emphasis is given to the future of women's employment, state policy and collective bargaining. Prerequisite: A 1000-level social science. Note: Not open to students who have taken AK/SOCI 3390R 6.00.

AK/POLS 3490 6.00 Political Thought in the Modern Age. A study of the origins of conservative, liberal and socialist political theories, and their evolution in the 20th century.

AS/POLS 3500 3.00 The Rise and Fall of Communism in Russia and Eastern Europe. The course acquaints students with the development of the Soviet Political System after 1917, and its recent disintegration. Comparisons are made with the rise and fall of Communism in selected East Europe countries. Degree credit exclusion: AS/POLS 3500 6.00.

AS/POLS 3510 3.00 China: The Path to Modernization and Democracy. This course examines the origins and development of the modern Chinese political system. Emphasis is on the role of Mao Zedong, the post-1949 period and the reform of Chinese socialism. Degree credit exclusion: AS/POLS 3510 6.00.

AS/POLS 3515 3.00 China: 21st Century Superpower. China's relationship with the outside world has been a dominant issue in its political development. This course focuses on this relationship in the post-1949

period, with emphasis on the recent open door policy and its impact on the Chinese political system. Degree credit exclusion: AS/POLS 3510 6.00.

AK/POLS 3520 6.00 Comparative Political Systems: Western Europe. A comparative approach towards the study of political life, processes and institutions in Western Europe. It introduces students to the general problems of analyzing political systems in light of recent theories and models of comparative politics. Prerequisite: A 2000-level course in POLS or GL/HIST 1600 6.00.

Cross-listed to: GL/POLS 3210 6.00 and AK/POLS 3520 6.00

AS/POLS 3530 3.00 West European Politics. This course begins with an examination of the development of states and political institutions in West European democracies. It then examines recent trends in politics in Western Europe, including the rise and crisis of the welfare state. Degree credit exclusions: AS/POLS 3410 6.00, AS/POLS 3415 3.00.

AS/POLS 3540 3.00 American Government and Politics. An analysis of the American system via examination of recent political events. Attention is given to the composition of the socio-political elite, the nature of mass influence in public policies, and the operation of such major institutions as the congress, courts, presidency and political parties.

AS/POLS 3545 3.00 Freedom and Inequality: An American Dilemma. This course explores the impact of the institutionalized ideal of freedom on America's political economy. Topics include unequal access to democratic institutions; the welfare system; global responsibility for freedom; and political repression and the policing of dissent.

AS/POLS 3550 3.00 Revolution and Counter Revolution in Central America. This course examines post-Second World War Central American politics in light of theories of revolution, including national and international political and social forces that explain the emergence and success or failure of revolutionary movements and counter-revolutionary offensives in the region.

GL/POLS 3550 3.00 Politics and Place: Structure of Local Government. This course examines the structures and responsibilities of Canadian municipal government with an emphasis on their connection to problems such as the deteriorating environment, crime and economic overdevelopment. Degree credit exclusions: GL/POLS 2690 3.00 and GL/POLS 2550 3.00.

AS/POLS 3553 6.00 Political Economy of Latin America and the Caribbean. This course examines the history and political economy of the Americas using case studies from Latin America and the Caribbean to highlight the forces that have shaped the internal politics of the region and its relationship to world markets. Degree credit exclusion: AS/POLS 3790 6.00.

Cross-listed to: AS/POLS 3553 6.00 and AS/SOSC 3410 6.00

AS/POLS 3555 3.00 Dictatorship and Democratization in South America. This course examines post-Second World War experiences of dictatorship and democratization in South America. Regional trends and specific countries (such as Brazil, Chile and Peru) are considered from a political economy perspective, including class relations, popular organizations and political institutions.

AS/POLS 3560 6.00 The Global South: Politics, Policy and Development. This course explores various dimensions of the global south, with emphasis on political-economy and development. It examines the similarities and differences between various local experiences in the global south and explores their contemporary dynamic in a historical context.

AK/POLS 3561 6.00 Racism and the Law. Theories of law applied to the sociology of racism. Topics include history of law and the political economy of racism; reproductions of class, race and gender; promises and prospects of legal remedies; local/global and private/public controls. Not open to students who have taken AK/SOCI 3340D 6.00 or AK/SOCI 3640D 6.00.

Cross-listed to: AK/POLS 3561 6.00 and AK/SOCI 3561 6.00

AK/POLS 3563 6.00 Canadian Immigration Policy and Settlement.

Explores the role of the Canadian state in the economy through its policies and programs in the areas of immigration and settlement. Barriers and positive initiatives will be discussed. A comparative perspective will be incorporated. Prerequisite: Introduction to sociology, political science or social science.

Cross-listed to: AK/POLS 3563 6.00 and AK/SOCI 3624 6.00

AS/POLS 3570 3.00 Africa: Politics of Continental Crisis. An examination of Africa's present crisis, identifying both the opportunities for, and the severe constraints upon, the political and economic transformation of selected African states, with emphasis varying from year to year, on Ghana, Nigeria, Ivory Coast, Senegal, Tanzania, Kenya and Uganda. Degree credit exclusion: AS/POLS 3570 6.00.

AK/POLS 3570 6.00 Organizational Practice and the State. Professional interests, decision-making and social policy in Canada and other modern states are discussed in relation to institutions such as families, schools, health care and the criminal justice system. Changing attitudes towards welfare, social services and the welfare state are examined.

Cross-listed to: AK/POLS 3570 6.00 and AK/SOCI 3570 6.00

AK/POLS 3580 6.00 The Political Economy of Canada. This course will study the major approaches to the political economy tradition in Canada. Special attention will be paid to the state, the growth of classes, the trade union movement, Quebec culture and the influence of the US on the development of Canadian capitalism. Note: Not open to students who have taken AK/CDNS 3020 6.00 or AK/SOCI 3390U 6.00.

Cross-listed to: AK/POLS 3580 6.00 and AK/SOCI 3585 6.00

AK/POLS 3590 6.00 The Politics of Education: The Post War Years.

The political and social context of post-war educational reforms in Ontario. Conservative, liberal and social-democratic perspectives are examined in provincial education policy as is the impact of major interest groups including business, labour, organized parents, teachers and students. Note: Not open to students who have taken AK/SOCI 3760D 6.00.

Cross-listed to: AK/POLS 3590 6.00 and AK/SOCI 3590 6.00 and AK/SOSC 3590 6.00

AS/POLS 3600 3.00 Public Law I: The Constitution and the Courts in Canada.

This course examines constitutional laws and practices, judicial review of the division of powers and the role of the courts and the legal profession in Canada. A strong emphasis is placed on the relationship between law, politics and public policy.

AS/POLS 3605 3.00 Public Law II: The Charter of Rights and Freedoms and the Limits of Public Administration.

This course examines key provisions of the Canadian Charter of Rights and Freedoms as they have been interpreted by the courts. This includes freedoms of expression and association; right to life, liberty and security of the persons; equality rights and non-discrimination; and the rights of aboriginal peoples. In addition, a section of the course is devoted to judicial review of public administration. Prerequisite: AS/POLS 3600 3.00. Degree credit exclusions: AS/SOSC 3360 6.00, AK/POLS 3405 6.00, AK/SOCI 3900C 6.00.

GL/POLS 3605 3.00 Guerre et paix : la pensée stratégique moderne.

Le cours a pour but de familiariser les étudiants avec les différentes phases de l'évolution de la pensée stratégique contemporaine. L'enseignement se fera trois temps : 1) analyse de la causalité des conflits et des guerres; 2) les phases successives de l'utilisation des forces armées dans les conflits internationaux; 3) le développement des études stratégiques comme contribution à la politique de défense et de paix.

Language of Instruction: French

Cross-listed to: GL/ILST 3605 3.00 and GL/POLS 3605 3.00 and GL/SOSC 3605 3.00

GL/POLS 3612 3.00 Aspects du nationalisme. Ce cours examine le phénomène du nationalisme dans la période contemporaine. L'analyse porte sur ses aspects économiques, politiques et psychologiques et fait

une étude comparative des diverses manifestations du nationalisme contemporain. Cours incompatible : GL/POLS/SOSC 3610 6.00.

Language of Instruction: French

Cross-listed to: GL/ILST 3612 3.00 and GL/POLS 3612 3.00 and GL/SOSC 3612 3.00

GL/POLS 3615 6.00 International and Transnational Organizations.

This course examines several instances of multilateral cooperation in the world over the last century, between states (international organizations) and across states (transnational organizations) in areas such as economic regulation, peace, human rights and the environment. Prerequisite: GL/POLS 2920 6.00 or permission of the course director. Degree credit exclusion: GL/POLS 4260E 6.00.

Cross-listed to: GL/ILST 3615 6.00 and GL/POLS 3615 6.00

AK/POLS 3620 6.00 Racism and Colonialism. Colonialism and racial conflict examined in historical and comparative perspective, including a discussion of links between racism and sexism. Examples are drawn from some of these areas: Africa, Asia, Latin America and the Caribbean, the Middle East. Note: Not open to students who have taken AK/SOCI 2580 6.00.

Cross-listed to: AK/POLS 3620 6.00 and AK/SOCI 3620 6.00

GL/POLS 3627 3.00 Nouvelles théories féministes et politiques publiques. Ce cours a pour objectif d'analyser les nouvelles théories féministes concernant les politiques sociales (santé, éducation, sécurité du revenu, travail) qui ont été les plus affectées par la restructuration de l'État et la mondialisation de l'économie.

Language of Instruction: French

Cross-listed to: GL/POLS 3627 3.00 and AK/WMST 3527 3.00 and AS/WMST 3527 3.00 and GL/WMST 3527 3.00

AK/POLS 3630 6.00 International Politics: The Foreign Policy Process.

This course is designed to place general concepts such as power, territoriality, national interest, war, imperialism etc. in a theoretical framework, and then apply them to an analysis of several international conflict situations within the last decade.

GL/POLS 3637 6.00 L'État : enjeu de la modernité. Ce cours aborde la question de l'État qui, depuis Machiavel et Bodin, est au cœur de la pensée politique moderne. Différents courants d'idées s'affrontent dans la définition de la légitimité, du rôle et des limites de l'État. À travers les différentes réponses apportées au problème de l'État, l'étudiant(e) est amené(e) à réfléchir sur les problèmes fondamentaux que pose la vie en société, et notamment sur la possibilité de concilier souveraineté et autonomie individuelle, bien commun et pluralisme, égalité et liberté. Cours incompatible: GL/POLS 3660 6.00.

Language of Instruction: French

Cross-listed to: GL/PHIL 3637 6.00 and GL/POLS 3637 6.00

GL/POLS 3650 3.00 International Peace, Security and Human Rights.

Interdisciplinary and multicultural introduction to the international peace, security and human rights dimension of international society. The course emphasizes the evolution of thought and practices in this area and stresses the interconnectedness of the international security and prosperity quests. Degree credit exclusion: GL/ILST 3270 3.00.

Cross-listed to: GL/ILST 3650 3.00 and GL/POLS 3650 3.00

GL/POLS 3650 3.00 Paix, sécurité et droits humains internationaux.

Introduction interdisciplinaire et multiculturelle aux questions de paix, de sécurité et de droits humains dans la société internationale. Le cours met l'accent sur l'évolution des théories et des pratiques dans ce domaine et fait ressortir les liens qui unissent la sécurité internationale et la poursuite de la prospérité. Cours incompatible: GL/ILST 3270 3.00.

Language of Instruction: French

Cross-listed to: GL/ILST 3650 3.00 and GL/POLS 3650 3.00

GL/POLS 3660 6.00 Early Modern Political Theory. Western political thought from Machiavelli to Marx. The political theories of thinkers such as Machiavelli, the radicals of the English civil war, Hobbes, Locke,

Rousseau, Hegel and Marx are considered, not as abstract ideas but as responses to, comments on, defences or critiques of historical events and social realities.

Cross-listed to: GL/PHIL 3660 6.00 and GL/POLS 3660 6.00

GL/POLS 3663 3.00 Human Rights and Civil Liberties in Canada.

This course examines the development of human rights legislation and the present state of civil liberties in Canada. Among other themes that will be analyzed are holocaust denial; hate literature; gay and lesbian rights; police powers; personal privacy; measures against terrorism; discrimination and affirmative actions. Prerequisite: Six credits in political science or philosophy or sociology. Degree credit exclusions: GL/POLS 3011 3.00(EN) (1991), GL/POLS 4011 3.00 (1999) and GL/CDNS/POLS 3014 3.00(EN) (Fall 2002).

Cross-listed to: GL/CDNS 3663 3.00 and GL/POLS 3663 3.00 and GL/SOCI 3663 3.00

GL/POLS 3680 3.00 Logic of Social Inquiry: Qualitative Methods.

An examination of how theories influence the logic of inquiry and research designs. Assumptions concerning objectivity and values are discussed and problems of operationalization are analyzed. Prerequisite: A course in Canadian studies or political science or sociology.

Cross-listed to: GL/CDNS 3680 3.00 and GL/POLS 3680 3.00 and GL/SOCI 3680 3.00

GL/POLS 3680 3.00 La logique de l'enquête : méthodes qualitatives.

Une étude des relations entre la théorie et la pratique de la recherche. Les questions d'objectivité et l'intrusion des valeurs. Le cours se préoccupera de la recherche qualitative. Condition préalable : Un cours en Études canadiennes, Science politique ou Sociologie.

Language of Instruction: French

Cross-listed to: GL/CDNS 3680 3.00 and GL/POLS 3680 3.00 and GL/SOCI 3680 3.00

AK/POLS 3680 6.00 Racism in Canada.

Racial discrimination as affected by institutional practices in Canada, examined together with efforts to affirm principles of equity. Among institutions which may be discussed are immigration, police and criminal justice system, schools, hospitals, media and private corporations.

Cross-listed to: AK/POLS 3680 6.00 and AK/SOCI 3680 6.00 and AK/SOSC 3680 6.00

GL/POLS 3690 3.00 The Logic of Social Inquiry: Quantitative Methods (Data Collection and Analysis).

The course concentrates first on questionnaire design and interview procedures and extrapolates from these techniques the general problems of data collection. Secondly, it examines the logic of research procedures used in assessing and interpreting data. Prerequisite: A course in Canadian studies or political science or sociology.

Cross-listed to: GL/CDNS 3690 3.00 and GL/POLS 3690 3.00 and GL/SOCI 3690 3.00

GL/POLS 3690 3.00 La logique de l'enquête : méthodes quantitatives.

Le cours examinera d'abord la construction de questionnaire et de cédulas d'interview pour illustrer les problèmes qu'implique la collecte des données sociales. Ensuite il considérera l'interprétation des statistiques sociales.

Language of Instruction: French

Cross-listed to: GL/CDNS 3690 3.00 and GL/POLS 3690 3.00 and GL/SOCI 3690 3.00

GL/POLS 3691 3.00 Politics and Place: Community Power Structure.

An exploration of who makes the most important decisions in and for a community. Different definitions of power, as well as the essentially local origins of social, environmental and economic problems are shown to be significant to our inquiries. Degree credit exclusion: GL/POLS/SOCI 2691 3.00.

Cross-listed to: GL/POLS 3691 3.00 and GL/SOCI 3691 3.00

AK/POLS 3700 6.00 Politics of Global Economy. Politics of global economic relations and the evolution of international division of labour.

Includes roles played by multinational corporations and international institutions such as World Bank, IMF and WTO; forms of economic integration in EU and NAFTA; and impact of globalization on national governments and citizen rights.

AS/POLS 3710 3.00 The Political Economy of Newly-Industrialized Countries. The course examines theoretical debates concerning the political economy of industrialization in post-colonial countries through examination of specific case studies.

AK/POLS 3720 6.00 Social Justice Studies. Addresses inequality and domination, resistance and collective empowerment, in Canada and beyond. Explores different theoretical approaches to, and diverse substantive interpretations of, the society in which we live and must transform, in order to realize greater social justice. Note: Not open to students who have taken AK/SOCI 3900E 6.00.

Cross-listed to: AK/POLS 3720 6.00 and AK/SOCI 3750 6.00 and AK/SOSC 3890 6.00

AK/POLS 3740 6.00 Work and Employment in the Global Economy. This course examines the dramatic changes in work and employment practices, new production processes and increased capital mobility against the background of the emerging global economy. Special emphasis is given to the future of women's employment, state policy and collective bargaining. Prerequisite: A 1000-level social science. Note: Not open to students who have taken AK/SOCI 3390R 6.00.

Cross-listed to: AK/POLS 3740 6.00 and AK/SOCI 3745 6.00

AK/POLS 3761 3.00 Canada's Welfare State I: Social Policy. Examines Canadian federal, provincial and municipal programs aimed at those outside the paid labour force. Programs covered include health care, child care services and benefits, old age pensions, social assistance and disability. Covers current debates on future of the welfare state.

AK/POLS 3790 6.00 Women, Power and Politics. Explores women's experience of power and politics, including women's participation in political parties; the emergence of women as an organized constituency; and links between public policies affecting women and power relations within the family and workplace. Note: Not open to students who have taken AK/SOCI 3880E 6.00.

Cross-listed to: AK/POLS 3790 6.00 and AK/SOCI 3790 6.00

AS/POLS 3800 3.00 Speed Politics. Speed is understood as the ideology and practice of postcontemporary society. This course constructs a political theory of speed by examining speed in select theoretical texts.

AS/POLS 3900 3.00 Local to Global: City and Nation in the Age of Globalization. This course examines political experience in the era of globalization. Issues covered include work in the global city; immigration and racism; culture and media; women and the international division of labour, and; environmental sustainability.

GL/POLS 3970 6.00 Socio-Politics of Science. An examination of the interaction between science and socio-political institutions, with particular focus on the biological sciences. Topics include: government science policy, politicalization of the scientific community, science and public policy (e.g. genetic counselling, food and drug legislation); legal and ethical problems of biomedical research.

Cross-listed to: GL/NATS 3970 6.00 and GL/POLS 3970 6.00

AS/POLS 3990 3.00 Supervised Reading and Research. Students in their third year may take independent, individually-supervised reading/research courses, either on a full-year or half-year basis, when the student and the course meet the requirements set out by the Faculty of Arts and those established by the department. Prerequisite: Permission of the director of undergraduate studies. Note: Please consult the Faculty of Arts Academic Advising and Student Responsibility section for regulations on independent reading courses.

AS/POLS 3990 6.00 Supervised Reading and Research. Students in their third year may take independent, individually-supervised reading/research courses, either on a full-year or half-year basis, when the student and the course meet the requirements set out by the Faculty of Arts and

those established by the department. Prerequisite: Permission of the director of undergraduate studies. Note: Please consult the Faculty of Arts Academic Advising and Student Responsibility section for regulations on independent reading courses.

AK/POLS 4000 3.00 Directed Reading. A detailed independent study of the student's own choosing involving intensive reading and writing in one or two selected areas. Specific areas are to be selected in consultation with individual members of the political science faculty. Students registered in AK/POLS 4000 6.00 are required to submit a major paper if no less than 10,000 words in length, or its equivalent. Prerequisites: 78 credits or, for students with equivalent preparation, permission of the Chair of political science. Note: Students must be accepted by a faculty supervisor before they can register in 4000-level directed reading courses. The course transaction form for such courses must be submitted with a note from the supervisor stating his/her willingness to perform this task. Permission of the department Chair is also required.

AS/POLS 4010 3.00 History of Political Thought. A seminar examining a major theme or problem derived from the writings of one or more central figures in Western political theory.

GL/POLS 4010 3.00 The European Far Right: From West to East. This course will look at the history and ideology of the European extreme right, and at the way in which extreme right movements, parties and intellectuals have managed to spread their influence from Western to Eastern Europe and into the ex-Soviet Union. Prerequisite: One course in comparative politics or political theory.

Cross-listed to: GL/ILST 4010 3.00 and GL/POLS 4010 3.00

AS/POLS 4015 3.00 Theories of Justice. An exploration of theories of justice which are at the heart of contemporary debates in political theory. This course explores various notions of justice, as well as the fundamental conditions for just societies to exist.

AS/POLS 4025 3.00 Freedom and Equality. Freedom and equality are two of the fundamental conditions for democracy, and as such they provide the ethical basis for much of contemporary political theory. The course explores conflicting conceptions of freedom and equality, their interrelationship and the implications of contemporary developments in this important field of political morality.

AS/POLS 4030 3.00 Classical Political Theory. An analysis of a number of texts in classical political theory, focusing on primary texts rather than secondary works, relevant to Greek, Hellenistic and Roman politics.

AS/POLS 4035 6.00 The Emergence of Modernity. This course examines the emergence of modernity as a response to enlightenment crisis. Focusing on conflicting conceptions of reason, values and emotional experience in the modern institutional context, the modern bases of contemporary social and political life are explored.

Cross-listed to: AS/POLS 4035 6.00 and AS/SOSC 4500 6.00

AS/POLS 4045 3.00 Ecology, Politics and Theory. This course includes discussion on deep ecology, Marxian environmentalism, feminist ecology, social ecology, post-modern approaches, Heideggerian ecology and the approach to the analysis of the domination of nature in the Frankfurt School. Integrated with: GS/POLS 5045 3.00.

AS/POLS 4055 3.00 The Idea of Democracy. This seminar examines texts in contemporary democratic theory, focusing on debates pertaining to (a) capitalism and democracy versus socialism and democracy; (b) modern democratic political representation; (c) new models and strategies for the democratization of state and economy. Degree credit exclusion: AS/POLS 4000N 3.00. Integrated with: GS/POLS 5055 3.00.

AS/POLS 4075 3.00 Encounters of Islam and Modernity. This course is a secular and comparative examination of religious institutions, movements and texts crucial to the public culture of Islam from the 18th century onwards. Course material includes critical readings on encounters between Islam and other religions and civilizations. Degree credit exclusion: AS/POLS 4000V 3.00.

AS/POLS 4080 3.00 The Philosophy of Toleration. This course explores a range of issues concerning the philosophy of toleration. What does it mean to tolerate other people's religious, social, or political beliefs and practices? Why should we be tolerant? What role does toleration play in a multicultural society? Degree credit exclusion: AS/POLS 4004A 3.00.

AS/POLS 4090 3.00 Classical Marxist Theory. This course focuses primarily on the writings of Marx and Engels with some consideration of Marxism as it first developed as an ideology of mass parties in the context of the Second International. Degree credit exclusion: AS/POLS 3090 6.00. Integrated with: GS/POLS 5090 3.00.

AS/POLS 4091 3.00 Marxism, Feminism, Poststructuralism. The central focus of this course is on Marxism. But the contemporary evolution of Marxism cannot be understood separately from its interplay with two of the most powerful theoretical currents in the modern world: feminism and poststructuralism. Degree credit exclusion: AS/POLS 3090 6.00. Integrated with: GS/POLS 5091 3.00.

GL/POLS 4100 3.00 Individual Thesis. An opportunity for students to pursue their individual interests in political science in either language under the guidance of a staff member. Note: Permission of the Chair required.

GL/POLS 4100 3.00 Travail individuel. Le département de science politique permet aux étudiant(e)s de prendre des cours de lectures dirigées (individuels) jusqu'à un maximum de neuf crédits. Ces cours sont initiés par les étudiants qui doivent présenter un sujet au professeur qui, ensuite, décide si elle/il peut ou veut encadrer le projet. Les cours requièrent habituellement un ou deux travaux, ou une série de lectures à faire et à discuter avec le/la professeur(e).

Language of Instruction: French

GL/POLS 4100 6.00 Individual Studies. An opportunity for students to pursue their individual interests in political science in either language under the guidance of a staff member.

GL/POLS 4100 6.00 Travail individuel. Le département de science politique permet aux étudiant(e)s de prendre des cours de lectures dirigées (individuels) jusqu'à un maximum de neuf crédits. Ces cours sont initiés par les étudiants qui doivent présenter un sujet au professeur qui, ensuite, décide si elle/il peut ou veut encadrer le projet. Les cours requièrent habituellement un ou deux travaux, ou une série de lectures à faire et à discuter avec le/la professeur(e).

Language of Instruction: French

AS/POLS 4102 3.00 Aboriginal Politics. An examination of critical issues in Aboriginal Peoples' relationships with the state, society and economy in Canada including colonialism; the tensions between Aboriginal self-determination and public policies on self-government; and the place of indigenous difference within the social and constitutional fabric of Canada.

AS/POLS 4103 3.00 Diversity and Politics in Canada. This course analyzes the limitations and possibilities of diversity in Canada by exploring policies concerning immigration, multiculturalism, Aboriginal peoples and francophones, as well as examining the systemic oppression of racial, ethnic, linguistic, sexual and gender groups in Canada.

AK/POLS 4110 3.00 Foreign Policy in Theory and Practice. This course is a series of seminars on foreign policy analysis in accord with the academic backgrounds and research interests of the course participants where individual sessions are focused on participants' major research papers. Note: Not open to students who have taken AK/POLS 4109A 3.00.

AS/POLS 4110 3.00 Canadian Urban Policy. This course examines the influence of government policy on the development of cities and the characteristics of urban life. It provides a historical, institutional and theoretical framework for understanding and analyzing Canadian urban policy-making and policy implementation. Degree credit exclusions: AS/POLS 4110 6.00, AS/SOSC 4720 6.00.

Cross-listed to: AS/POLS 4110 3.00 and AS/SOSC 4720 3.00

AK/POLS 4115 3.00 Foreign Policy of the United States. This course examines the foreign policy of the United States in historical, theoretical and global perspectives. The principle actors, issues and theoretical approaches will be studied through the analysis of particular problems confronting the US. Note: Not open to students who have taken AK/POLS 4109B 3.00.

AS/POLS 4115 6.00 The Political Economy of State Finance. The course studies the major fiscal functions of the state, including allocation, distribution and stabilization, accumulation and legitimization. The second semester features a budget simulation where the task is to develop a federal budget from various political party perspectives. Degree credit exclusions: AS/POLS 4114 3.00, AS/POLS 4115 3.00, AS/POLS 4116 3.00.

AS/POLS 4117 3.00 Political Economy of NAFTA. The political economy of trade and regional economic integration within the North American Free Trade Area (NAFTA) is examined from its historical origins to current trade developments and frictions.

AK/POLS 4120 6.00 Political Leadership in Canada. A study of the psychological, sociological and institutional aspects of leadership. Special emphasis will be placed on examining the prime ministerial tradition, analyzing its role and assessing the contributions of various prime ministers to Canadian politics. Prerequisite: 78 credits or, for students with equivalent preparation, permission of the Chair of political science.

AS/POLS 4125 3.00 Women and Current Policy Issues. The course begins by evaluating selected feminist theories in the light of their ability to explain policy developments. Policy issues of the past decade are then examined, including prostitution, pornography, homosexual rights, sexual assault, abortion and reproductive technology.

AK/POLS 4150 3.00 Socialism and Social Democracy: Historical Perspectives. Examines the history of socialism and social democracy, in theory and practice, through the 19th century and into the first half of the 20th century. Prerequisites: 78 credits or, for students with equivalent preparation, permission of the Chair of political science.

AS/POLS 4155 3.00 Politics of the Canadian Women's Movement. This course examines the politics of the Canadian women's movement, emphasizing its historical and contemporary development. We examine the suffrage movement, the inter-war years, and the development of second wave feminism in light of Canada's unique political structures and current challenges to feminism. Integrated with: GS/POLS 5150 3.00.

Cross-listed to: AS/POLS 4155 3.00 and GL/POLS 4603 3.00 and AK/WMST 4503 3.00 and AS/WMST 4503 3.00 and GL/WMST 4503 3.00

AK/POLS 4160 3.00 Socialism and Social Democracy: Present and Future. Examines the present strengths and weaknesses of socialist and social democratic movements, parties and governments in a global context; seeks to assess their future prospects in a world dominated by market philosophies and practices. Prerequisite: 78 credits or, for students with equivalent preparation, permission of the Chair of political science.

AS/POLS 4165 3.00 Canadian Social Policy in Comparative Perspective. The course analyzes the design and implementation of social policy in Canada, seen in the context of social policy development in other Western societies, including the United States and Western Europe. Degree credit exclusion: AS/POLS 4000T 3.00 (Fall/Winter 1996-1997 and Fall/Winter 1997-1998).

AS/POLS 4175 6.00 Canadian Federalism in Comparative Perspective. An examination of federalism in Canada: historical evolution, impact on public policy; constitutional and political frameworks; future directions. Comparison with other federations, especially those featuring multinational and linguistic divisions. General assessment of federalism as a political regime. Degree credit exclusions: AS/POLS 4130 3.00, AS/POLS 4580 3.00.

AS/POLS 4176 3.00 Politics of Provinces and Territories in Canada. This course examines the contemporary context of Canadian provincial and territorial politics in a world of globalization and new forms of regional

governance, as well as the distinct institutional features of these governments.

AS/POLS 4180 6.00 Politics and the Mass Media in Canada. This course explores the political functions of the mass media in the Canadian system, and considers the application of normative and empirical theories about mass media in a Canadian context.

AS/POLS 4185 6.00 Culture and Communication. This course explores contemporary issues of cultural theory and their application to cultural and communication policies in Canada.

AK/POLS 4200 6.00 Advanced Public Policy Analysis. An in-depth analysis of specific areas of public policy chosen to reflect current public debates. The primary focus is on Canada, but comparisons with other countries are made where useful to understanding the policy process in Canada. Prerequisites: 78 credits including AK/POLS 3410 6.00 or, for students with equivalent preparation, permission of the Chair of political science.

AS/POLS 4200 6.00 International Relations Theory. A survey of recent theories and approaches to international relations. Possible topics include systems analysis, integration, decision-making, communication theory, games theory, social psychological analyses, quantitative methods, strategy and deterrence and bargaining and negotiation.

AS/POLS 4205 3.00 The New German Politics and European Integration. This course analyzes Germany's domestic and foreign politics and the changes within German society after unification and in the context of the end of the cold war. In particular, the course examines the international ramifications of German separation and unification, and the effects of unification on European integration. Integrated with: GS/POLS 5205 3.00.

AS/POLS 4210 3.00 Peace Research. This course examines the rationale, assumptions and key issues of peace research, focusing on the possible contributions which peace research can bring to the processes of social change. The course begins with an examination of power, both within the contemporary strategic environment and within the discipline of peace research. A series of issues is then examined, including militarism, feminist perspectives on peace, eco-politics etc.

AS/POLS 4212 3.00 Global Justice and Humanitarian Internationalism. In the context of international humanitarianism and advocacy, this course provides a general introduction to international justice, drawing on basic philosophical ethics. It begins with theoretical schools of thought to then enable students to apply ethical analysis to particular controversies.

Cross-listed to: ES/ENVS 4312 3.00 and AS/POLS 4212 3.00

AS/POLS 4215 3.00 Multilateralism. This course explores the institutions and practices of global and regional cooperation, with a particular emphasis on the forces shaping multilateralism (e.g. states, cultures, social movements) and the way multilateralism can influence global structural change.

AS/POLS 4220 3.00 Canadian International Security Policy: Issues and Problems. An analysis of contemporary issues and problems in Canadian national security policy.

AS/POLS 4225 3.00 Canada and the Americas. This course introduces students to the principal themes and debates surrounding the apparent revival of several major Latin American countries. Topics include the present Latin American economic environment; the socio-political and "good government" backdrop to economic revival; the process and politics of trade liberalization in the Western Hemisphere; and Canada's emergence as a full actor in the Americas. Integrated with: GS/POLS 5225 3.00.

AS/POLS 4230 3.00 Canadian Defence Policy: Issues, Problems and Future Developments. An analysis of contemporary topics, issues and problems in Canadian defence policy.

AK/POLS 4240 6.00 Social Theory, Culture and Politics. Introduction to major writings in social theory, and to connections between social theory, cultural expression and politics. Both classical and contemporary works are discussed. Prerequisites: 78 credits including AK/SOCI 2410 6.00; or permission of the Chair of sociology for students with the equivalents.

Cross-listed to: AK/POLS 4240 6.00 and AK/SOCI 4500 6.00

AS/POLS 4245 3.00 Gender and International Relations. This course explores theoretical and empirical issues raised by the consideration of gender in international relations (IR). We examine theoretical concerns raised by feminists and feminist IR scholars, and issues including: gender and the environment, militarism, international political economy and human rights.

Cross-listed to: AS/POLS 4245 3.00 and AK/WMST 4802 3.00 and AS/WMST 4802 3.00 and GL/WMST 4802 3.00

AS/POLS 4250 3.00 Canadian Foreign Policy. A research seminar focusing on such topics as Canada's role in NATO and NORAD, the Law of the Sea Conference, relations with the United States, North-South issues, international economic trends and domestic sources of foreign policy. Integrated with: GS/POLS 5250 3.00.

AS/POLS 4255 6.00 Issues in International Human Rights. This seminar examines the operation and efficacy of the United Nations human rights treaty system. It focuses on both the substantive law and the operational strategies associated with their implementation. Degree credit exclusion: AS/POLS 4000X 6.00 (Fall/Winter 1986-1987 to Summer 1998).

AS/POLS 4260 3.00 Contemporary Security Studies. An examination of current issues and problems in the fields of contemporary strategic studies and international conflict, with a particular emphasis on regional security, conflict management and conflict resolution.

AS/POLS 4265 3.00 Human Rights and Democracy in Asia. The course examines the international politics of human rights and democracy in the region as a window on theoretical and other debates over the universality, origins and purposes of these norms and related institutions in a context of globalization. Degree credit exclusion: AS/POLS 4705 3.00.

AS/POLS 4270 3.00 United States Foreign Policy. An examination of the historical development of the objectives of US foreign policy and of current policy issues. The course considers different analytic approaches to understanding the formulation and implementation of policy with emphasis on bureaucratic politics.

AS/POLS 4280 6.00 Russia in World Affairs. This seminar studies the roles Russia had played in international relations over the past century, of historical, geopolitical, military, economic and cultural factors shaping Russian foreign policy, and of the country's search for a post-Cold war identity. Degree credit exclusion: AS/POLS 4280 3.00.

GL/POLS 4280 6.00 Canadian Foreign and Defence Policy. A seminar analyzing the issues of Canadian foreign policy, the policy making process and the tactics of Canadian diplomacy by case studies, simulation and oral and written discussion of fundamental principles.

GL/POLS 4280 6.00 La politique étrangère et la défense du Canada. Ce cours a pour objectif l'étude de la politique étrangère et la défense du Canada sous plusieurs aspects: les options, les conséquences, les influences internes et externes, les engagements, les conflits d'intérêt, l'historique et les perspectives. Par l'étude de thèmes particuliers, l'accent est mis sur le processus de la formation de la politique étrangère et celle de défense.

Language of Instruction: French

AS/POLS 4290 3.00 Topics in International Political Economy. An examination of the actors, processes and issues involved in the politics of international economic relations.

AS/POLS 4291 3.00 Capital and Power in the Global Political Economy. This course focuses on the connection between capital and power in the international political economy. The interaction between capital, labour, states and other social groups is examined, with particular attention paid to the implications of transnational capital accumulation.

AS/POLS 4295 3.00 Political Economy of Global Finance. This course examines the functioning and broader ramifications of international finance. Emphasis is put on how financial markets operate, their historical evolution and their larger role in the working of the global political economy. Prerequisite: AS/POLS 3275 3.00 or permission of the instructor.

GL/POLS 4295 6.00 Internship in Public Administration. A full-time internship of three or four months consisting of work with the federal or a provincial or a municipal government or a para-public agency, supervised by a professor responsible for the academic evaluation in collaboration with the supervisor in the work setting. Students will provide two interim and one final report reflecting on their work experience in the light of the knowledge they have gained in their academic studies toward the certificate. The final grade will consist of the cumulative grade assigned to these three reports. Prerequisite: GL/POLS 2500 6.00.

GL/POLS 4295 6.00 Stage pratique en administration publique. Stage pratique à temps plein de trois ou quatre mois dans un service du gouvernement fédéral, provincial, ou municipal ou dans une agence parapublique, supervisé par un professeur chargé de l'évaluation universitaire en collaboration avec le superviseur sur le lieu du stage. Les étudiants devront rédiger deux comptes rendus préliminaires et un compte rendu final pour illustrer leur expérience professionnelle reliée aux connaissances acquises au cours de leurs études menant au certificat. La note finale cumulera les trois notes attribuées respectivement aux trois comptes rendus. Condition préalable : GL/POLS 2500 6.00.

Language of Instruction: French

AS/POLS 4300 6.00 Public Policy Research. An examination of the theoretical literature in public policy and policy sciences leading toward development of individual policy research for the presentation and critical discussion at the seminar. Prerequisites: AS/POLS 2300 6.00 and AS/POLS 3300 6.00, or permission of the instructor. Degree credit exclusion: AK/POLS 4200 6.00.

AS/POLS 4340 6.00 Practicum in Survey Research Methods. This course provides the theoretical background and practical skills needed to conduct surveys. Using computerized telephone survey facilities of the Institute for Social Research, students take part in questionnaire design, interviewing, data processing, statistical analysis and report writing.

Cross-listed to: AS/POLS 4340 6.00 and AS/SOCI 4080 6.00

AS/POLS 4401 3.00 Systems of Justice. An overview of procedures in the Canadian justice system, with comparisons to other common law justice systems and some civil law systems. The course begins with a study of civil and criminal procedure, and then proceeds to a review of recent issues relevant to justice system procedures. Degree credit exclusion: AS/POLS 4601 3.00. Integrated with: GS/POLS 5601 3.00.

AS/POLS 4402 3.00 Protest Movements and Democracy. This seminar surveys the critical understandings of democracy articulated by several mass protest movements throughout the world, including populism; women's movements; labour activism; and the politics of difference. Democracy is explored as a contested concept in various spatial and historical contexts. Degree credit exclusion: AS/POLS 4000Z 3.00.

AS/POLS 4403 3.00 Economic Unions and Globalization. This course explores how economic globalization fosters the tendency to form regional sub-global economic and political entities. Topics include an analysis of the trajectories of a number of economic unions like the EU, NAFTA, Mercosur and others.

AS/POLS 4406 3.00 Politics of Work and Industry. An analysis of the ability of capitalist economic and political institutions to restructure and project themselves anew, including more flexible forms of production and

new political alliances. The historical forces which have shaped the politics of work and industry are examined, as well as the contemporary restructuring of work, the new industrial policy debate, and the altering spatial patterns of production and trade. Degree credit exclusion: AS/POLS 4640 3.00.

AS/POLS 4410 3.00 Social Justice and Political Activists. This seminar surveys alternative philosophical terrains for discussing social justice and past approaches to constructing a better world. Its main focus is social justice in modern capitalism - not just as a matter of alternative policies, but of alternative politics. Degree credit exclusion: AS/POLS 4810 3.00. Integrated with: GS/POLS 5810 3.00.

AS/POLS 4470 3.00 Working Class Politics in Capitalist Democracies. This course seeks to understand the current parameters of working class politics through a theoretical and historical examination of the relationship between parties, trade unions and the democratic capitalist state. Degree credit exclusion: AS/POLS 4710 3.00.

AS/POLS 4515 3.00 European Union. This course examines the key institutions and processes of the EC (Council, COREPER, Commission, Parliament and European Court) in the context of recent developments. The focus will be on the major issues facing the Community: the Maastricht treaty and its implementation; future enlargement by admission of the EFTA and the East-Central European countries; and democratic deficit and future institutional reform. Degree credit exclusion: AS/POLS 4445 3.00. Integrated with: GS/POLS 5445 3.00.

AS/POLS 4520 3.00 Nationalism, Communism and Imperialism. This course explores the relationship between imperial systems and national communities. It includes a comparative analysis of empire-building and nation-building, concentrating on center-periphery conflicts and imperial disintegration. Case studies are drawn primarily from Russia/USSR and Eastern Europe, the Balkans and the Middle East. Other regional examples are also be considered.

AS/POLS 4540 6.00 Caribbean Politics. A study of selected aspects in Caribbean politics from the protest movements of the 1930s to the present. Special emphasis is paid to attempts at Caribbean regional integration within the context of wider political development.

AS/POLS 4545 3.00 Approaches to American Politics. This seminar introduces participants to overarching interpretations of American politics. We critically examine different theories on the nature and driving forces of politics in the United States since the creation of the republic. Integrated with: GS/POLS 5545 3.00.

AS/POLS 4546 3.00 Politics, Society and Democracy in the United States. This seminar explores the disjunction between US democratic ideals and practices within their political-economic context. Social, economic and ethnic inequalities are scrutinized in light of the strong symbolism provided by the US constitution and democratic institutions. Degree credit exclusion: AS/POLS 4001D 3.00.

AS/POLS 4555 3.00 Latin American Development. An examination of the processes and issues connected with development in Latin America including the impact of political economy on culture and on women. Degree credit exclusion: AS/POLS 4235 3.00. Integrated with: GS/POLS 5555 3.00.

AS/POLS 4575 3.00 The Politics of Southern Africa. This course examines South Africa's racial capitalist system and resistance to it, focusing on the present transition to a more equitable political and economic system. The course also explores the current situation in other southern Africa countries (Angola, Mozambique, Namibia, Zimbabwe). Integrated with: GS/POLS 5575 3.00.

AS/POLS 4590 3.00 Political Development in South Asia. This course explores various dimension of South Asian political development, with emphasis on political-economy and development issues. It examines the similarities and differences between different South Asian nations and explores their contemporary dynamic in a historical context. Integrated with: GS/POLS 5590 3.00.

AS/POLS 4595 3.00 Southeast Asia in the New Global Order. Using Southeast Asia as its focus, this course addresses questions relating to economic development, political change and regional security in the emerging global order. It stimulates interest in politics and international relations of developing countries in Southeast Asia. Degree credit exclusion: AS/POLS 3595 3.00.

AS/POLS 4600 3.00 Judicial Administration in Canada. An overview of judicial administration in Canada. The course focuses on judicial independence, the constitutional parameters of judicial administration, course administrative structures and recent issues relevant to judicial review and judicial policy-making. Prerequisite: AS/POLS 3600 3.00 or AS/POLS 3605 3.00 or AS/POLS 3160 6.00 or permission of the instructor. Integrated with: GS/POLS 5110 3.00.

AK/POLS 4600 6.00 Research Seminar. Provides an opportunity for the development and completion of a substantial project in research and writing at a more advanced level. Restricted to Honours majors in sociology or political science. Papers are written under the supervision of a faculty member, and each step in the research is discussed in seminar. Prerequisites: 78 credits, or permission of the Chair of the School of Social Sciences for students with equivalent. Normally before entry, political science majors will have completed AK/POLS 2410 6.00, AK/POLS 2440 6.00 and AK/POLS 3420 6.00; sociology majors will have completed AK/SOCI 2410 6.00, AK/SOCI 3310 6.00 and AK/SOCI 3330 6.00.

Cross-listed to: AK/POLS 4600 6.00 and AK/SOCI 4600 6.00

GL/POLS 4600 6.00 International Law. International law is the system of principles and rules designed to govern relations between states and the conduct of international organizations. This course is intended as an introduction to the fundamental principles and processes of the international legal order as it has so far evolved for students who experience the world from a Canadian perspective. Degree credit exclusion: GL/ILST 4010 6.00(FR) (Fall/Winter 1992-1993 and Fall/Winter 1993-1994).

Cross-listed to: GL/ILST 4600 6.00 and GL/POLS 4600 6.00

GL/POLS 4600 6.00 Le droit international. Ce cours examine les thèmes suivants : compétence territoriale et extra-territoriale, droit de la mer, droit aéronautique et spatial, responsabilité des états, règlements des différends, droit international humanitaire et droit international de l'environnement. Cours incompatible: GL/ILST 4010F 6.00 (Automne/hiver 1992-1993, Automne/hiver 1993-1994) et GL/ILST 4012F 6.00 (Automne/hiver 1994-1995).

Language of Instruction: French

Cross-listed to: GL/ILST 4600 6.00 and GL/POLS 4600 6.00

AS/POLS 4602 3.00 Law, Politics and Justice Capstone. This capstone course for students interested in the areas of law, politics and justice allows them to utilize skills and insights developed during their years in University, and to apply them in tackling current legal, political and judicial issues.

GL/POLS 4603 3.00 Politics of the Canadian Women's Movement. This course examines the politics of the Canadian women's movement, emphasizing its historical and contemporary development. We examine the suffrage movement, the inter-war years and the development of second wave feminism in light of Canada's unique political structures and current challenges to feminism. Integrated with: GS/POLS 5150 3.00.

Cross-listed to: AS/POLS 4155 3.00 and GL/POLS 4603 3.00 and AK/WMST 4503 3.00 and AS/WMST 4503 3.00 and GL/WMST 4503 3.00

AS/POLS 4605 3.00 Ethical Politics. An analysis of the current systems of ethical rules in Canadian politics concerning conflicts of interest, election financing, lobbying and truthfulness in the presentation of information. The history and adequacy of these rules are considered, as well as their philosophical foundations.

GL/POLS 4605 3.00 Foreign Policy in Theory and Practice. This course introduces some of the principal theoretical models for the study of foreign policy and continues with a study of the means by which foreign policy is made and implemented. Means of implementation studied include

diplomacy, economic measures, propaganda, military means and covert action. Prerequisite: GL/POLS 2920 6.00(EN or FR).

Cross-listed to: GL/ILST 4605 3.00 and GL/POLS 4605 3.00

GL/POLS 4610 3.00 The Foreign Policy of the United States. This course applies an input-output model to the study of American foreign policy during and after the Cold War. Topics studied include strategic and security issues, trade policy and American policies toward the other countries of North America and the Third World. Prerequisite: GL/POLS 4605 3.00 or GL/POLS 3230 6.00.

Cross-listed to: GL/ILST 4610 3.00 and GL/POLS 4610 3.00

GL/POLS 4618 6.00 Diplomacy. The course examines the history and nature of diplomacy, its role in international politics, its various dimensions, the changes that it has undergone as in its development and practice, particularly economic negotiations, and its future either as an alternative or complement to the use of force. Degree credit exclusion: GL/ILST/POLS 4010 6.00(FR) (Automne/hiver 1999-2000, Automne/hiver 2000-2001, Automne/hiver 2001-2002).

Cross-listed to: GL/ILST 4618 6.00 and GL/POLS 4618 6.00

GL/POLS 4618 6.00 La diplomatie. Ce cours examine la nature et l'histoire de la diplomatie, son rôle en politique internationale, ses différentes dimensions, les changements qu'elle a subis dans son développement et sa pratique, en particulier en ce qui concerne les négociations économiques, et son avenir comme alternative ou comme complément au recours à la force. Cours incompatible: GL/POLS/ILST 3011 6.00 (Automne/hiver 1999-2000, Automne/hiver 2000-2001, Automne/hiver 2001-2002).

Language of Instruction: French

Cross-listed to: GL/ILST 4618 6.00 and GL/POLS 4618 6.00

AK/POLS 4620 3.00 Directed Reading. A detailed independent study of the student's own choosing involving intensive reading and writing in one or two selected areas. Specific areas are selected in consultation with individual faculty members. Students registered in AK/POLS 4620 6.00 are required to submit a major paper of no less than 10,000 words in length, or its equivalent. Prerequisite: AK/POLS 4600 6.00/AK/SOCI 4600 6.00. Note: Students must be accepted by a faculty supervisor before they can register in directed reading courses. The course transaction form for such courses must be submitted with a note from the supervisor stating his/her willingness to perform this task.

AS/POLS 4620 3.00 Health Policy in Canada. The critical issues in health care delivery are quality, cost and availability. Interactions between and among health care consumers, providers, payers, and regulators are examined in terms of their impact on those three central issues.

AK/POLS 4620 6.00 Directed Reading. A detailed independent study of the student's own choosing involving intensive reading and writing in one or two selected areas. Specific areas are selected in consultation with individual faculty members. Students registered in AK/POLS 4620 6.00 are required to submit a major paper of no less than 10,000 words in length, or its equivalent. Prerequisite: AK/POLS 4600 6.00/AK/SOCI 4600 6.00. Note: Students must be accepted by a faculty supervisor before they can register in directed reading courses. The course transaction form for such courses must be submitted with a note from the supervisor stating his/her willingness to perform this task.

GL/POLS 4620 6.00 Aspects of Late Modern and Contemporary Political Theory. The course examines the efforts at assimilation and evaluation of 20th-century experience since the First World War of theorists of both the Marxist and the liberal traditions.

Cross-listed to: GL/PHIL 4620 6.00 and GL/POLS 4620 6.00

AS/POLS 4625 3.00 Issues in Canadian Health Policy. This course applies the analytical framework developed in AS/POLS 4620 3.00, to the study of specific aspects of the Canadian health care system. The specific topics addressed are determined both by their timeliness and by the expressed interests of the students.

GL/POLS 4630 6.00 Revolutions in Science and Politics: From Galileo to the Greens. This course explores the connection between assumptions about physical reality underlying Newtonian physics and how we have organized social and political institutions. We stress that the breakdown of these assumptions in this century implies the need for a new conception of politics.

Cross-listed to: GL/NATS 4630 6.00 and GL/POLS 4630 6.00

GL/POLS 4635 6.00 Topics in Law and Politics. This course examines selected topics of current importance in the political and legal discourse of Canada and the United States. Topics for investigation will be taken mainly from the areas of civil liberties and civil rights and will vary from year to year. Students should consult the departmental mini-calendar for the specifics of any particular year's offering. Prerequisite: GL/POLS 2600 6.00 or GL/POLS 3230 6.00 or the permission of the instructor. Degree credit exclusion: GL/POLS/SOSC 3950 6.00.

Cross-listed to: GL/POLS 4635 6.00 and GL/SOSC 4635 6.00

GL/POLS 4640 3.00 The Idea of Democracy. "Democracy" is an over-used and very flexible word. Its literal meaning is "rule by the people" but in "liberal democracy" there is a greater emphasis on civil liberties. This course will critically explore the various meanings of this complex idea. Degree credit exclusion: GL/POLS/SOSC 4011E 3.00 (Fall 1991, Fall 1992, Fall 1993).

Cross-listed to: GL/POLS 4640 3.00 and GL/SOSC 4640 3.00

AK/AS/POLS 4650 3.00 Provincial and Municipal Government in Ontario. This course examines the theory and practice of the Ontario provincial system of government, including an overview of the federal-provincial and provincial-municipal arrangements and an examination of the organization of the executive branch and selected ministries and agencies within the Ontario government. Degree credit exclusion: AK/POLS 4109D 3.00.

Cross-listed to: AK/POLS 4650 3.00 and AS/POLS 4650 3.00

GL/POLS 4650 3.00 La politique étrangère des puissances moyennes de l'Europe occidentale. Les changements de la politique mondiale depuis la guerre froide présentent des défis à l'étude et la pratique de la politique étrangère des puissances moyennes. Ce cours examine la politique étrangère en Europe occidentale dans un contexte où les considérations géopolitiques des relations inter-étatiques font place à des intérêts et des politiques transnationales de nature économique et commerciale. Conditions préalables : GL/POLS 3210 6.00 ou GL/POLS 3215 6.00 ou GL/POLS 4605 3.00.

Language of Instruction: French

Cross-listed to: GL/ILST 4650 3.00 and GL/POLS 4650 3.00

GL/POLS 4655 6.00 Selected Themes in Canadian Political History 1867 - 1984. This course examines the development of Canadian political parties in their historical context. Prerequisite: A course in either Canadian history or Canadian studies or Canadian politics or permission of instructor. Degree credit exclusions: GL/HIST 4010 6.00(EN) (Fall/Winter 1996-1997, Fall/Winter 2000-2001) and GL/HIST/POLS 4010 6.00(EN) (Fall/Winter 2001-2002).

Cross-listed to: GL/CDNS 4655 6.00 and GL/HIST 4655 6.00 and GL/POLS 4655 6.00 and GL/SOSC 4655 6.00

GL/POLS 4660 6.00 Régionalisme international. Théorie et pratique de la coopération régionale en Afrique, les Amériques, Asie-Pacifique et Europe. Dimensions géopolitiques, économiques et sociales du régionalisme international. Forces, institutions et politiques régionales et leur impact sur les pays membres et les pays tiers. Cours incompatibles : GL/ILST/POLS 4662 3.00 et GL/ILST/POLS 4665 3.00.

Language of Instruction: French

Cross-listed to: GL/ILST 4660 6.00 and GL/POLS 4660 6.00

GL/POLS 4662 3.00 International Regionalism: European Integration. This course introduces students to European integration as an example of multilevel governance at the regional (supranational) level and as an experiment in the practice of policy-making at the supranational

level. Prerequisite: One of the following courses: GL/POLS 2920 6.00, GL/POLS 3615 6.00, GL/POLS 3210 6.00.

Cross-listed to: GL/ILST 4662 3.00 and GL/POLS 4662 3.00

AS/POLS 4670 3.00 The Politics of Cyberspace. As components of the information revolution and globalization, cyber and digital technologies have emerged as features of contemporary politics. This course explores the competing claims regarding the positive and negative impacts such technologies have on power relations and individual identities. Degree credit exclusion: AS/POLS 4000L 3.00 (Fall/Winter 1997-1998 to Fall/Winter 2000-2001).

GL/POLS 4670 6.00 Économie politique internationale. Ce cours analysera les processus politiques et sociaux qui gouvernent l'organisation de l'économie au niveau mondial, à travers l'étude des questions centrales de l'économie politique internationale: régulation du commerce international; organisation sociale et territoriale de la politique; régulation des interactions financières mondiales; gestion des inégalités intra et internationales. Condition préalable : GL/POLS 2920 6.00.

Language of Instruction: French

Cross-listed to: GL/ILST 4670 6.00 and GL/POLS 4670 6.00

GL/POLS 4680 6.00 Political Economy of the Asia-Pacific Region. This course analyzes the politics of the rapid economic growth of the Newly Industrializing Countries of East Asia. Special attention will be given to an examination of the internal and external conditions behind this industrial and societal change and the theoretical implications of this East Asian experience for the study of political change and system transformation in the developing areas in general. Prerequisite: One course in international relations plus one course in political science. Degree credit exclusions: GL/POLS/ILST 3010E 6.00A (Fall/Winter 1996-1997), GL/POLS/ILST 4012 6.00 (Fall/Winter 1997-1998 and Fall/Winter 1998-1999).

Cross-listed to: GL/ILST 4680 6.00 and GL/POLS 4680 6.00

GL/POLS 4685 3.00 The Foreign Policy of the Major Asian States. A comparative study of the foreign policies in China, Japan and India, with an emphasis on policy-making and policy outputs. Examples will be drawn from territorial, security and economic issues. Prerequisite: GL/POLS 2920 6.00 or permission of the instructor. Degree credit exclusion: GL/POLS 4010 3.00 (Fall/Winter 2001-2002).

Cross-listed to: GL/ILST 4685 3.00 and GL/POLS 4685 3.00

AS/POLS 4770 3.00 Political Economy of Development. This course offers a comparative analysis of patterns of peripheral capitalist development in Latin America and the Caribbean. It explores the formation of social classes, the development of the modern state and the current economic crises in Mexico and Brazil. Degree credit exclusion: AS/POLS 4570 3.00. Integrated with: GS/POLS 5870 3.00.

AK/POLS 4770 6.00 Mass Media, the State and Freedom of Expression. This is an advanced-level research course focusing on the political economy of mass media and the geopolitics of information. Taking a historical view on the state-media relationship, it explores the social consequences of media concentration, and considers alternatives. Prerequisites: 78 credits including at least 12 credits in social science courses; or, for students with equivalent preparation, permission of the Chair of social science.

Cross-listed to: AK/POLS 4770 6.00 and AK/SOSC 4770 6.00

AS/POLS 4900 3.00 Politics Capstone. This course focuses on one of the 10 themes in the political science curriculum, and provides an integrative experience that reflects on the major issues raised within the theme. For more information regarding the themes of individual course sections, please consult the departmental supplemental calendar. Prerequisites: AS/POLS 2040 6.00 or AS/POLS 2900 6.00, and AS/POLS 2100 6.00 or AS/POLS 2610 6.00 or AS/POLS 2910 6.00, and AS/POLS 2210 6.00 or AS/POLS 2510 6.00 or AS/POLS 2920 6.00. Degree credit exclusion: AS/POLS 4900 6.00.

AS/POLS 4900 6.00 Politics Capstone. This course focuses on one of the 10 themes in the political science curriculum, and provides an

integrative experience that reflects on the major issues raised within the theme. For more information regarding the themes of individual course sections, please consult the departmental supplemental calendar. Prerequisites: AS/POLS 2040 6.00 or AS/POLS 2900 6.00, and AS/POLS 2100 6.00 or AS/POLS 2610 6.00 or AS/POLS 2910 6.00, and AS/POLS 2210 6.00 or AS/POLS 2510 6.00 or AS/POLS 2920 6.00. Degree credit exclusion: AS/POLS 4900 3.00.

GL/POLS 4920 3.00 Canadian Political Leadership: Models and Access/Le leadership politique canadien : modèles et voies d'accès.

This course examines the major models used to study political leadership and applies them to the study of the leadership of Canadian prime ministers. Seminar discussions and presentations deal with the application of these models and with the issues they raise in the context of political leadership in Canada./Ce cours considérera les principaux modèles d'analyse de leadership politique et les appliquera aux premiers ministres fédéraux du Canada. Les discussions et les présentations seront consacrées aux applications de ces modèles et aux questions qu'elles soulèvent dans le contexte du leadership politique du Canada. Degree credit exclusion: GL/POLS/SOSC 3940 3.00(EF).

Language of Instruction: English/French

Cross-listed to: GL/POLS 4920 3.00 and GL/SOSC 4920 3.00

GL/POLS 4921 3.00 Canadian Political Leadership: Leadership types and styles of decision-making/Le leadership politique canadien : types de leadership et styles de prise de décision.

This course examines the major types of political leaders and the methods used to study them as well as specific Canadian cases for each category. The last part of the course is devoted to a study of the various modes of decision-making of political leaders, including those of Supreme Court judges in Charter decisions./On examinera les principaux types de chefs politiques et les méthodes employées pour leur étude, ainsi que des cas canadiens pour chaque catégorie. La dernière partie du cours est consacrée à l'étude des divers modes de prise de décision des leaders politiques y compris ceux des juges de la Cour Suprême dans les cas impliquant la Charte. Degree credit exclusion: GL/POLS/SOSC 3941 3.00(EF).

Language of Instruction: English/French

Cross-listed to: GL/POLS 4921 3.00 and GL/SOSC 4921 3.00

GL/POLS 4960 6.00 Women and Political Power.

With a power theoretical framework and a comparative approach, women's struggles in political and social movements for a political voice and political representation in Canada, Great Britain, the United States and France are examined. Debates on international issues involve other countries. Prerequisite: A second- or third-year course related to Canadian politics or Canadian political history, or the permission of the course director.

Cross-listed to: GL/POLS 4960 6.00 and GL/SOSC 4960 6.00 and GL/WMST 4960 6.00

GL/POLS 4970 3.00 Theory and Practice of Diplomacy.

Diplomacy as a functional alternative to the resort to war will be studied. The focus will be on how governments and intergovernmental organizations interact through accredited official agents in a vast and intricate set of relationships to attain given negotiated policy objectives.

Cross-listed to: GL/ILST 4970 3.00 and GL/POLS 4970 3.00

AS/POLS 4980 6.00 Undergraduate Honours Colloquium.

The undergraduate colloquium offers students with initiative a unique opportunity to pursue research interests in a collegial framework. For further information see the political science supplementary calendar.

AS/POLS 4985 6.00 Global Political Studies Honours Colloquium.

The colloquium is the global political studies Specialized Honours BA seminar. The seminar meets on a weekly basis to discuss assigned readings about current issues and debates in international relations and comparative world politics.

AS/POLS 4990 3.00 Supervised Reading and Research.

Students in their fourth year may take independent, individually-supervised reading/research courses, either on a full-year or half-year basis, when the student and the course meet the requirements set out by the Faculty of Arts and those established by the department. Prerequisite: The permission of the

undergraduate program director. Note: Please consult the Faculty of Arts Academic Advising and Student Responsibility section for regulations on independent reading courses.

AS/POLS 4990 6.00 Supervised Reading and Research.

Students in their fourth year may take independent, individually-supervised reading/research courses, either on a full-year or half-year basis, when the student and the course meet the requirements set out by the Faculty of Arts and those established by the department. Prerequisite: The permission of the undergraduate program director. Note: Please consult the Faculty of Arts Academic Advising and Student Responsibility section for regulations on independent reading courses.

AS/POLS 4995 3.00 Practicum in Public Administration.

Public policy and administration students in their fourth year may take an independent, individually-supervised reading and research course which combines volunteer work experience in an agency with an academic analysis of that experience. The course may be taken either on a full-year or half-year basis, when the student and the course meet the requirements set out by the Faculty of Arts and those established by the department. Students are normally registered in AS/POLS 4300 6.00 and AS/POLS 4995 (3.00 or 6.00) concurrently. Prerequisite: AS/POLS 3610 6.00 or AS/POLS 3190 6.00 or AS/SOCI 3620 6.00 or AS/POLS 4300 6.00 or permission of the instructor.

AS/POLS 4995 6.00 Practicum in Public Administration.

Public policy and administration students in their fourth year may take an independent, individually-supervised reading and research course which combines volunteer work experience in an agency with an academic analysis of that experience. The course may be taken either on a full-year or half-year basis, when the student and the course meet the requirements set out by the Faculty of Arts and those established by the department. Students are normally registered in AS/POLS 4300 6.00 and AS/POLS 4995 (3.00 or 6.00) concurrently. Prerequisite: AS/POLS 3610 6.00 or AS/POLS 3190 6.00 or AS/SOCI 3620 6.00 or AS/POLS 4300 6.00 or permission of the instructor.

Portuguese – Department of Languages, Literatures and Linguistics, Arts

Note: For general regulations and enrolment information please see Languages, Literatures and Linguistics in the Courses of Instruction section of this Calendar.

AS/POR 1000 6.00 Elementary Portuguese.

This course introduces the Portuguese language within its cultural contexts. The four skills of listening, speaking, reading and writing are emphasized. Students will acquire a functional competence in elementary written and spoken Portuguese. No previous knowledge of Portuguese is assumed. Degree credit exclusion: AS/POR 1010 6.00.

Language of Instruction: Portuguese/English

AS/POR 2000 6.00 Intermediate Portuguese.

This course is intended for students with some oral and written knowledge of Portuguese, who wish to improve their command of the formal language. Development of speaking, listening and reading and writing skills; further study of grammar; vocabulary building; translation into Portuguese. Prerequisite: AS/POR 1000 6.00 or AS/POR 1010 6.00 (or equivalent) or permission of the department. Degree credit exclusion: AS/POR 1050 6.00.

Language of Instruction: Portuguese

AS/POR 2600 6.00 Introduction to Portuguese Culture.

This course presents an overview of Portuguese culture and civilization from the Portuguese era of pre-Roman times to Portugal as a European Union member. Degree credit exclusion: AS/POR 2800A 6.00.

AS/POR 2650 6.00 Portuguese Literature from Africa.

This course introduces Portuguese-writing African authors from the five former Portuguese colonies. The major themes are the Portuguese presence in Africa and the liberation movement.

AS/POR 3000 6.00 Advanced Portuguese. This course gives students the skills to write and speak standard Portuguese, using reading and discussion of short texts from contemporary authors. Grammatical aspects of Portuguese are studied. Written assignments will reflect the topics and readings discussed in class. Prerequisite: AS/POR 2000 6.00 or AS/POR 1050 6.00, or permission of the department. Degree credit exclusion: AS/POR 2040 6.00.

Language of Instruction: Portuguese

AS/POR 3600 6.00 Contemporary Portugal Through Literature and Film. Through various literary works and films, this course explores the ideological, economic and social changes that occurred in Portugal following the April 1974 Carnation Revolution. Prerequisite: AS/POR 2000 6.00.

Language of Instruction: Portuguese

AS/POR 4620 3.00 From Camões to Pessoa. Through the 16th-century literature of Luis de Camões and the 20th-century literature of Fernando Pessoa, this course explores two high points in Portuguese literary development as well as the development of Portugal as a nation. Prerequisite: AS/POR 3000 6.00.

Language of Instruction: Portuguese

AS/POR 4630 3.00 The Works of Jorge Amado. This course explores the literary works of Jorge Amado, one of Brazil's leading 20th-century authors. Several films and television series based on his works are also considered in comparison to his written works. Prerequisite: AS/POR 3000 6.00.

Language of Instruction: Portuguese

Professional Writing – Arts

Program Office:

301 Calumet College, 416-736-2100, ext. 33836

Web Address:

<http://www.arts.yorku.ca/english/prowriting/>

Program Coordinator (at York):

K. Michasiw, English

Program Coordinator (at Seneca):

J. Maloney, Technical Communication Program (2104 Seneca at York Campus, 416-491-5050, ext. 3066)

Affiliated Faculty:

J. Blazina, Centre for Academic Writing; J. Carley, English; J. Creet, English; M. Cummings, English; D. Freake, Humanities; B. McComb, Centre for Academic Writing; K. Michasiw, English; T. Palmer, English; J. Rehner, Centre for Academic Writing/Humanities; J. Spencer, Centre for Academic Writing; R. Teleky, Humanities; P. Uppal, Humanities; J. Webber, Centre for Academic Writing/Humanities

The joint Honours BA Program in Professional Writing is housed in the Department of English in the Faculty of Arts, and offered in collaboration with Seneca College (at its Seneca@York campus). The program curriculum consists of courses offered by the Department of English, the Division of Humanities and the Centre for Academic Writing in the Faculty of Arts, and by Seneca College through its School of General Education and English, its School for Communication Arts and its Centre for Professional Communication. Graduates of the program will receive an Honours BA degree in professional writing from York University.

Combining historical and theoretical analysis of written expression with the development of practical expertise in creating, managing, coordinating and presenting written information in a constructive and dynamic fashion, the Professional Writing Program includes courses in the history and process of the book, in magazine writing, and in communications within institutions alongside courses in editing, copyediting, document design and multimedia technologies. As well, students in the Professional Writing Program will have the opportunity to select a second field of study to complement the background and skills developed in the writing program. Graduates of the program will possess the knowledge and abilities to pursue many future possibilities in the writing field including positions in

publishing, the media, business, journalism, government, community service and the arts.

For specific program requirements and the list of program courses, please consult the Faculty of Arts Programs and Study section of this Calendar.

Subject to program requirements and degree credit equivalent/exclusion and in-Faculty regulations, students may complete courses offered outside of the Faculty of Arts for credit in professional writing.

Note: For purposes of meeting program requirements, all foundations courses will count as six credits towards the major.

Courses in Professional Writing

AS/PRWR 3600 3.00 Advanced Research Methods. A problem-based course designed to refine students' skills in searching, sifting, organizing, evaluating and reporting/presenting information. Students are asked to acquaint themselves with and become expert in managing both online and print sources.

AS/PRWR 3710 3.00 Research Methods for Reporting. The course provides an introduction to the primary modes of research involved in reporting. Particular attention is paid to digesting print and net-based texts and to the techniques of the interview.

AS/PRWR 3720 3.00 Fundamentals of Editing. The course addresses the problems of sorting and arranging information and of writing it up in a manner that is clear and comprehensible in limited spaces. Students edit their own work and the work of others, learning both to administer and accept criticism.

AS/PRWR 3810 3.00 Digesting Technical Information. The course addresses the task of translating the languages of specialists for the use and comprehension of non-specialists. Students confront the problem of jargons and develop strategies to understand them themselves and then to translate them for others.

AS/PRWR 3820 3.00 Workshop in Presentation Strategies. A workshop course following from AS/PRWR 3810 3.00. Students are assigned lumps of information and develop these for presentation to different audiences. Consideration is given also judging the appropriate technological aids and developing the skills to employ them effectively.

AS/PRWR 3910 3.00 The Mechanics of Style. Introduces students to print protocols, explores fundamental problems in book and other print formats and considers the adaptations of these protocols to and in the age of the computer. Also at issue are the basic problems of book design.

AS/PRWR 4700 3.00 Advanced Workshop 1: Periodical Genres. A project-based workshop course devoted to refining skills already developed. Students adapt a series of stories to different audiences. Particular attention is paid to issues of length and appropriate language. Peer editing skills are also featured.

AS/PRWR 4701 3.00 Advanced Workshop 2: The Feature. A project-based workshop course in which students develop, pitch, research, write, have edited and rewrite an extended article. Each step of the process is examined in detail. Students examine also representative works in the genre.

AS/PRWR 4800 3.00 Advanced Workshop 1: Visual Information and Document Design. The course considers various strategies for the visual representation of information. What sorts of figures and illustrations aid communication and what sorts obscure? What visual relations ought there to be between illustration and text? What effects do these relations have on the document as a whole?

AS/PRWR 4801 3.00 Advanced Workshop 2: Multimedia Authoring and Practices. The course addresses the challenges and opportunities offered by the hardware and software involved in net-based communications. It considers the advantages and drawbacks of recent applications and develops strategies to avoid becoming the servant of the technology.

AS/PRWR 4901 3.00 Copy Editing. A hands-on course that develops verbal editing skills at the level of the sentence and design skills at the level of the page or spread. Students diversify and practice their fluency with mark-up conventions. Conflicts between general mandates and local circumstances are investigated for both the verbal and the visual.

AS/PRWR 4902 3.00 Figures and Illustrations. The course considers the function of graphic information in the printed book. It considers how graphs and charts to be selected and treated. It considers the role, selection and placement of photographs, drawings and maps. Illustrated texts both for children and adults are also considered.

Psychology – Arts, Atkinson, Glendon, Pure and Applied Science

Arts, Science:

Department Office:

292 Behavioural Sciences Building, 416-736-5115

Web Address:

<http://www.psych.yorku.ca>

Chair of the Department:

E. Greenglass

Distinguished Research Professor Emeritus:

D. Regan

CIHR Canada Research Chair:

J. Katz

Professors:

E. Bialystok, J. Connolly, R.E. Fancher, G. Flett, M.L. Friendly, L. Greenberg, E. Greenglass, L. Harris, M. Legerstee, D. Pepler, D. Rennie, R. Schuller, P. Stager, D. Wiesenhal, M. Wintre

Professors Emeriti:

N. McK. Agnew, D. Bakan, W.H. Coons, K. Danziger, H.I. Day, M. Eagle, H.R. Flock, J. Gaito, I.P. Howard, P.K. Kaiser, P.M. Kohn, C.H. Lay, H. Ono, J. Pascual-Leone, S. Pyke, L. Rice, V. Sermat, I. Silverman, M.R. Westcott

Associate Professors:

L. Angus, J. Bebko, C. Chataway, J. Check, J.D. Crawford, J. Elder, V. Goel, K. Grasse, C. Green, W. Heinrichs, J. Irvine, J. Johnson, R. Lalonde, H. Mandel, D. McCann, M. Mongrain, R. Muller, S. Murtha, D.W. Reid, J. Rich, R. Sheese, W. Struthers, T. Teo, S. Toukmanian, A. Wall, P. Waxer, F. Weizmann, N.I. Wiener, L. Wilcox

Associate Professors Emeriti:

J. Blake, L.R. Boulter, H. Doan, P.A. Herzberg, K. Koenig, B. Kohn, I. Kusyszyn, H.A. Minden, J. Stewart, M. Ziegler

Assistant Professors:

S. Adler, R. Cribbie, M. Desrocher, J. Eastwood, D. Goodman, T. Hart, K. Kawakami, I. McGregor, J. Mills, A. Perry, A. Rutherford, K. Trobst

The Department of Psychology offers a curriculum which begins with a broad introductory survey of the various areas of enquiry within the discipline of psychology and the various applications of psychological knowledge.

The intermediate level of the curriculum then provides choice from a wide range of courses which pursue selected areas of psychology in greater depth. Insofar as possible, courses are offered in multiple sections with alternative formats so that students may select the format which most nearly meets their needs.

At the advanced level, courses are typically offered in relatively small seminars. Students are encouraged to select a wide range of courses and a high degree of flexibility is possible within the programs offered. It is the intention of the Department of Psychology to serve the needs of students whose interests in the discipline range from curiosity to commitment.

For specific Honours BA and BA program requirements please consult the Faculty of Arts Programs of Study section of this Calendar. For specific Honours BSc and BSc program requirements please consult the Faculty of Pure and Applied Science Programs of Study section of this Calendar.

Admission to all 2000-, 3000- and 4000-level courses in psychology (with the exception of AK/AS/SC/PSYC 2020 6.00, AK/AS/SC/PSYC 2021 3.00 and AK/AS/SC/PSYC 2022 3.00) is conditional upon satisfactory

completion of Introduction to Psychology, AK/AS/SC/PSYC 1010 6.00. Further, students must obtain a minimum grade of C (4.0) in AK/AS/SC/PSYC 1010 6.00 to be permitted to continue as a major or minor in psychology as well as to take psychology courses for which AK/AS/SC/PSYC 1010 6.00 is a prerequisite. Under exceptional circumstances, non-majors and non-minors who have not obtained a minimum of C (4.0) in AK/AS/SC/PSYC 1010 6.00 may apply for special consideration to enrol in an upper-level psychology course for which AK/AS/SC/PSYC 1010 6.00 is a prerequisite. This application should be made to the psychology undergraduate program director of the Faculty offering the course.

Courses in psychology normally meet for at least three hours a week, for one term (three credits – course numbers end in “3.00”) or for two terms (six credits – course numbers end in “6.00”). Most of the courses listed below are offered in more than one section. Students cannot obtain credit for two sections of the same course, except for independent study courses.

Some 3000- and 4000-level courses may require AK/AS/SC/PSYC 2020 6.00 (or equivalent) as a prerequisite. Students should note that the material taught in this course may be important for them in their chosen career or in graduate work. Students might also consider taking AK/AS/SC/PSYC 3010 3.00 as preparation for work in the final academic session.

Students in all psychology courses are encouraged to learn about psychological research by participating as subjects in research projects conducted under the supervision of the Department of Psychology.

Not all of the courses listed below will necessarily be offered in any given year or term. For details of courses to be offered, please consult the psychology supplemental calendar.

Subject to program requirements and degree credit equivalent/exclusion and in-Faculty regulations, students may complete courses offered outside of the Faculty of Arts for credit in psychology.

Atkinson:

Office:

226 Atkinson Building, Tel: 416-736-5202, Fax: 416-736-5662, e-mail:

akpsyc@yorku.ca

Chair of Psychology:

TBA

Undergraduate Program Director:

R. Okada

Distinguished Research Professor:

M.J. Steinbach

Professors:

S.J. Fleming, R. Okada, S.G. Shanker, M.J. Steinbach, F.E. Wilkinson

Professor Emeritus:

M. Cowles

Associate Professors:

R. Deutsch, M. Hynie, J.M. Katz, S. MacDonald, C.J. Marino, E.C. Ross, W. Thompson, M.T. Zivian

Associate Professor Emeritus:

W.E. Northover

Assistant Professors:

N.W. Park, J. Steele

Sessional Assistant Professor:

R. Sidhu

Lecturer:

R. Riddell Pillai

Glendon:

Department Office/Bureau du département t:

125 York Hall, 416-487-6738

Chair of the Department/Directeur du département t:

T. Moore

Professors/Professeurs :

J. Alcock, T. Moore, A. Russon

Associate Professors/Professeurs agrégé s:

J. Crozier, R. Lalonde, J. Rivest, G. Young

Associate Professor Emeritus/Professeure agrégée émérite :

P. Westcott

Special Assistant Professor:

E. Corcos

Note: The following courses are open to first-year students./Les cours suivants sont ouverts aux étudiants de première année : GL/PSYC 2510 6.00, GL/PSYC 2510 6.00.

Courses in Psychology

AK/AS/SC/PSYC 1010 6.00 Introduction to Psychology. A survey of psychology introducing basic terms, concepts and methods. Included are topics such as biological bases of behaviour, learning, perception, motivation, cognition, child development, personality, and abnormal and social psychology. Degree credit exclusion: AK/PSYC 2410 6.00. Note: This course is required for all students who intend to pursue additional courses in psychology at the 2000, 3000 and 4000 levels. Students must pass the course with a minimum grade of C (4.0) in order to pursue further studies in psychology. Under exceptional circumstances, non-majors who have not obtained a minimum grade of C (4.0) in AK/AS/SC/PSYC 1010 6.00 may apply for special consideration to enrol in an upper-level psychology course for which AK/AS/SC/PSYC 1010 6.00 is a prerequisite. This application should be made to the psychology undergraduate program director of the Faculty offering the course.

Cross-listed to: AK/PSYC 1010 6.00 and AS/PSYC 1010 6.00 and SC/PSYC 1010 6.00

AK/AS/SC/PSYC 2020 6.00 Statistical Methods I and II. An introduction to the analysis of data from psychological studies. Fundamental concepts and techniques of both descriptive and inferential statistics and their application to psychological research. Prerequisite or corequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C when used as a prerequisite. Degree credit exclusions: AK/AS/SC/PSYC 2021 3.00, AK/AS/SC/PSYC 2022 3.00, AK/PSYC 2510 3.00, AK/PSYC 3110 3.00, AK/ADMS 3320 3.00, SC/BIOL 2060 3.00, SC/BIOL 3090 3.00, AS/ECON 2500 3.00, AK/ECON 3470 3.00, AK/ECON 3480 3.00, AS/ECON 3500 3.00, AS/SC/GEOG 2420 3.00, AS/SC/KINE 2050 3.00, AS/SC/KINE 3150 3.00, AK/AS/SC/MATH 1131 3.00, AS/SC/MATH 1132 3.00, AK/AS/SC/MATH 2500 3.00, AK/AS/SC/MATH 2560 3.00, AK/AS/SC/MATH 2570 3.00, AK/MATH 2720 3.00, AS/SC/PHED 2050 3.00, AS/POLS 3300 6.00, AS/SOCI 3030 6.00. Note 1: The degree credit exclusions listed above may not be substituted for AK/AS/SC/PSYC 2020 6.00 to satisfy psychology degree requirements unless approved as acceptable substitutes by the department and Faculty. Please consult the relevant department and Faculty for more information. Note 2: Students who discontinue registration in AK/AS/SC/PSYC 2020 6.00 after the fall term may not petition for credit for a half course in statistics.

Cross-listed to: AK/PSYC 2020 6.00 and AS/PSYC 2020 6.00 and SC/PSYC 2020 6.00

AK/AS/SC/PSYC 2021 3.00 Statistical Methods I. The fundamental concepts and application of descriptive statistics. An introduction to probability and inferential statistics, including hypothesis testing with the normal- and t-distributions. Prerequisite or corequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C when used as a prerequisite. Degree credit exclusions: AK/AS/SC/PSYC 2020 6.00, AK/PSYC 2510 3.00, AK/ADMS 3320 3.00, SC/BIOL 2060 3.00, SC/BIOL 3090 3.00, AS/ECON 2500 3.00, AK/ECON 3470 3.00, AS/SC/GEOG 2420 3.00, AS/SC/KINE 2050 3.00, AK/AS/SC/MATH 1131 3.00, AK/AS/SC/MATH 2500 3.00, AK/AS/SC/MATH 2560 3.00, AK/MATH 2720 3.00, AS/SC/PHED 2050 3.00, AS/POLS 3300 6.00, AS/SOCI 3030 6.00.

Cross-listed to: AK/PSYC 2021 3.00 and AS/PSYC 2021 3.00 and SC/PSYC 2021 3.00

AK/AS/SC/PSYC 2022 3.00 Statistical Methods II. A continuation of the study of fundamental concepts and techniques of descriptive and inferential statistics. Topics include correlation, regression, analysis of variance and non-parametric statistics. Prerequisite: One of AK/AS/SC/PSYC 2021 3.00, AK/PSYC 2510 3.00, AS/ECON 2500 3.00, AS/SC/KINE 2050 3.00, AK/AS/SC/MATH 2560 3.00. Prerequisite or corequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C when used as a prerequisite. Degree credit exclusions: AK/AS/SC/PSYC 2020 6.00, AK/PSYC 3110 3.00, SC/BIOL 2060 3.00, SC/BIOL 3090 3.00, AK/ECON 3480 3.00, AS/ECON 3500 3.00, AS/SC/KINE 3150 3.00, AS/SC/MATH 1132 3.00, AK/AS/SC/MATH 2500 3.00, AK/AS/SC/

MATH 2570 3.00, AS/POLS 3300 6.00, AS/SOCI 3030 6.00. Note: SC/BIOL 2060 3.00, SC/BIOL 3090 3.00, or AS/SC/MATH 2500 3.00 may not be substituted for AK/AS/SC/PSYC 2022 3.00 for major or minor credit in psychology.

Cross-listed to: AK/PSYC 2022 3.00 and AS/PSYC 2022 3.00 and SC/PSYC 2022 3.00

AK/AS/SC/PSYC 2030 3.00 Introduction to Research Methods. An introduction to the use of experimental and non-experimental research methods by psychologists in the study of behaviour. Topics such as research design, external and internal validity, sources of bias, APA style and ethics are considered. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Prerequisite or corequisite: One of AK/AS/SC/PSYC 2020 6.00, AK/AS/SC/PSYC 2021 3.00, AK/PSYC 2510 3.00. Degree credit exclusions: ES/ENVS 2010 6.00, AS/SC/KINE 2049 3.00, AS/SC/KINE 2049 4.00, AK/PSYC 2530 3.00. Note: Not open to students who have passed or are taking AK/AS/SC/PSYC 3010 3.00 or AK/PSYC 3180 3.00.

Cross-listed to: AK/PSYC 2030 3.00 and AS/PSYC 2030 3.00 and SC/PSYC 2030 3.00

AK/AS/SC/PSYC 2110 3.00 Developmental Psychology. This course considers physical, intellectual, emotional and social development from birth through adolescence and the impact of the interaction of these various aspects of development upon the individual as a whole. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusion: AK/PSYC 3240 3.00.

Cross-listed to: AK/PSYC 2110 3.00 and AS/PSYC 2110 3.00 and SC/PSYC 2110 3.00

AK/AS/SC/PSYC 2120 3.00 Social Psychology. This course reviews the theories, methods and empirical evidence in the scientific study of human social behaviour. The aim is to elucidate social psychological processes through the examination of areas such as social influence, attribution, attitudes and stereotyping. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusions: AK/PSYC 3210 3.00, AK/PSYC 3700C 3.00.

Cross-listed to: AK/PSYC 2120 3.00 and AS/PSYC 2120 3.00 and SC/PSYC 2120 3.00

AK/AS/SC/PSYC 2130 3.00 Personality. This course examines major theories and research on personality functioning, with a focus on description of the factors contributing to the development, structure and dynamics of personality. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusion: AK/PSYC 3220 3.00.

Cross-listed to: AK/PSYC 2130 3.00 and AS/PSYC 2130 3.00 and SC/PSYC 2130 3.00

AK/AS/SC/PSYC 2210 3.00 Learning. A course in problems, experimental methods and research findings in learning. Topics include classical and operant conditioning, reinforcement and theories of learning. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusion: AK/PSYC 3150 3.00.

Cross-listed to: AK/PSYC 2210 3.00 and AS/PSYC 2210 3.00 and SC/PSYC 2210 3.00

AK/AS/SC/PSYC 2220 3.00 Sensation and Perception I. A course in problems, experimental methods and research findings in sensation and perception. Vision and hearing are covered in some detail, including discussion of the structure and function of the eye and ear, and cortical areas responsible for processing visual and auditory information. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusion: AK/PSYC 3120 3.00.

Cross-listed to: AK/PSYC 2220 3.00 and AS/PSYC 2220 3.00 and SC/PSYC 2220 3.00

AK/AS/SC/PSYC 2230 3.00 Motivation. A course in problems, experimental methods and research findings in motivation. Topics include emotion, drives and social motives. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusion: AK/PSYC 3155 3.00

Cross-listed to: AK/PSYC 2230 3.00 and AS/PSYC 2230 3.00 and SC/PSYC 2230 3.00

AK/AS/SC/PSYC 2240 3.00 Biological Basis of Behaviour. An introduction to fundamental principles of brain function and neural organization, as illustrated by classic findings and current research. Topics may include sleep and dreaming, memory, sensory motor processing, motivation (e.g. eating, reproductive behaviours), higher cognitive processes and neurological disorders. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusion: AK/PSYC 3145 3.00.

Cross-listed to: AK/PSYC 2240 3.00 and AS/PSYC 2240 3.00 and SC/PSYC 2240 3.00

GL/PSYC 2510 6.00 Introduction to Psychology. An overview of the discipline of psychology, which includes sensation and perception, learning and behaviour modification, social psychology, developmental psychology, personality, motivation, abnormal psychology and psychobiology.

GL/PSYC 2510 6.00 Introduction à la psychologie. Revue générale des sujets de base en psychologie tels que la pensée et le langage, la sensation et la perception, l'apprentissage et la modification du comportement, le comportement social, le développement, la personnalité, la motivation, la psychologie anormale, et la base physiologique du comportement.

Language of Instruction: French

GL/PSYC 2520 3.00 Introduction to Experimental Psychology. The course is designed to provide the student with an understanding of the process of scientific reasoning as it applies to psychology. The course discusses the relationships between empirical evidence and inference, reliability, and internal and external validity. Students will obtain experience in designing and executing empirical studies. Prerequisite: GL/PSYC 2510 6.00 taken either concurrently with, or preferably prior to GL/PSYC 2520 3.00.

GL/PSYC 2520 3.00 Introduction à la psychologie expérimentale. Ce cours traitera de la démarche scientifique et des méthodes de recherche utilisées en psychologie. Les thèmes suivants y seront adressés : les méthodes d'acquisition des connaissances, la problématique et les hypothèses de recherche, la validité, les variables expérimentales, les contrôles, les plans de recherche, la généralisation des résultats, la diffusion des connaissances scientifiques et les règles méthodologiques en recherche. Tout étudiant devra éditer des articles scientifiques, réaliser une recherche expérimentale, écrire un rapport scientifique, et présenter ses résultats à une mini-conférence.

Language of Instruction: French

GL/PSYC 2530 3.00 Introductory Statistics. An introduction to basic statistical methods including coverage of central tendency, variability, normal curve, differences between means, correlation and analysis of variance. The use of statistics in the design and evaluation of psychological research is stressed, and principles of experimental design are introduced. Prerequisites: GL/PSYC 2510 6.00 and GL/PSYC 2520 3.00 should be taken either concurrently with, or prior to, GL/PSYC 2530 3.00.

GL/PSYC 2530 3.00 Introduction à la statistique. Introduction aux idées et aux méthodes de base en statistique comprenant les mesures de la tendance centrale, la variabilité, la courbe normale, les différences entre deux moyennes, la corrélation et les analyses de variance. Comment la statistique peut être utilisée dans la planification et l'évaluation de la recherche psychologique sera accentuée. De plus, les principes des plans d'expérience seront introduits. Conditions préalables : GL/PSYC 2510 6.00 et GL/PSYC 2520 3.00 doivent être suivis, soit concurremment, soit antérieurement à ce cours.

Language of Instruction: French

AK/AS/SC/PSYC 3010 3.00 Intermediate Research Methods. An intermediate course to provide further experience with the design, execution, analysis, interpretation and communication of psychological studies. Building on the foundation established in AK/AS/SC/PSYC 2030

3.00, the course further prepares students for many types of advanced research and Honours thesis projects. Prerequisites: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C; AK/AS/SC/PSYC 2030 3.00 or AK/PSYC 2530 3.00; one of AK/AS/SC/PSYC 2020 6.00, AK/AS/SC/PSYC 2021 3.00, AK/PSYC 2510 3.00. Degree credit exclusions: AK/PSYC 3180 3.00. Note: Not open to students who have passed or are taking AK/AS/SC/PSYC 4000 6.00, AS/SC/PSYC 4170 6.00, AK/PSYC 4700 3.00, or AK/PSYC 4800 6.00.

Cross-listed to: AK/PSYC 3010 3.00 and AS/PSYC 3010 3.00 and SC/PSYC 3010 3.00

AK/AS/SC/PSYC 3030 6.00 Intermediate Statistics. An intermediate course in applied statistics, emphasizing linear models for regression analysis and analysis of variance. Prerequisites: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C; AK/AS/SC/PSYC 2020 6.00 or equivalent. Degree credit exclusions: AS/SC/GEOG 3421 3.00, AS/SC/MATH 3033 3.00, AK/AS/SC/MATH 3034 3.00, AK/AS/SC/MATH 3230 3.00, AK/AS/SC/MATH 3330 3.00.

Cross-listed to: AK/PSYC 3030 6.00 and AS/PSYC 3030 6.00 and SC/PSYC 3030 6.00

AK/AS/SC/PSYC 3090 3.00 Psychological Measurement. An introduction to measurement theory, including principles of psychological testing with special emphasis on test construction and the statistical evaluation, interpretation and validation of test scores. The course does not address the applied uses of tests. Prerequisites: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C; one of AK/AS/SC/PSYC 2020 6.00, AK/AS/SC/PSYC 2021 3.00, AK/PSYC 2510 3.00. Degree credit exclusion: AK/PSYC 3115 3.00.

Cross-listed to: AK/PSYC 3090 3.00 and AS/PSYC 3090 3.00 and SC/PSYC 3090 3.00

AK/AS/SC/PSYC 3140 3.00 Abnormal Psychology. A course on the nature, causes and treatment of a number of behaviour disorders. Topics include developmental disorders, anxiety problems, personality disorders, substance abuse, affective disorders, organic brain disorders and schizophrenia. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusion: AK/PSYC 3215 3.00.

Cross-listed to: AK/PSYC 3140 3.00 and AS/PSYC 3140 3.00 and SC/PSYC 3140 3.00

AK/AS/SC/PSYC 3170 3.00 Health Psychology. This course explores the developing role of psychology in the health field. It provides psychological frameworks that elucidate the (non) practice of health behaviours, the role of stress in illness, adjustment to and coping with illness and representations of health/illness. Prerequisites: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C; one of AK/AS/SC/PSYC 2120 3.00, AK/PSYC 3210 3.00, AK/AS/SC/PSYC 2240 3.00, AK/PSYC 3145 3.00. Degree credit exclusions: AK/ADMS 3750 3.00; AS/SC/PSYC 3440 3.00, AS/SC/KINE 4050D 3.00, AS/SC/KINE 4710 3.00.

Cross-listed to: AK/PSYC 3170 3.00 and AS/PSYC 3170 3.00 and SC/PSYC 3170 3.00

AK/AS/SC/PSYC 3190 3.00 Psychology of Language. A survey of psychological theory and research on the function, development and use of language. Topics include the acquisition of language, the nature of meaning, animal communication and some pathological language behaviours. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusions: AK/PSYC 3250 3.00 (before Summer 2002), AK/PSYC 3290 3.00 (after Winter 2002), AS/SC/PSYC 3290 3.00, AS/LING 3220 3.00.

Cross-listed to: AK/PSYC 3190 3.00 and AS/PSYC 3190 3.00 and SC/PSYC 3190 3.00

GL/PSYC 3220 3.00 Personality. The course begins with an overview of the issues and perspectives encountered in the study of human personality and the difficulty we have in arriving at an adequate definition of personality. Various theoretical approaches and their applications are then examined in detail. Throughout the course more general aspects and issues in human personality such as aggression, anxiety, sex differences

etc. will be discussed in seminar presentations made by the members of the class. Prerequisite: GL/PSYC 2510 6.00 or equivalent.

GL/PSYC 3220 3.00 La personnalité. La première partie du cours traite des approches empiriques à l'étude de la personnalité en accentuant les quatre aspects suivants : l'agression, la compétence, la dépendence, et la sexualité. La deuxième partie concentre sur les approches théoriques traditionnelles et contemporaines. Condition préalable : GL/PSYC 2510 6.00 ou l'équivalent.

Language of Instruction: French

GL/PSYC 3230 3.00 Introduction to Abnormal Psychology (Psychopathology). This course discusses what is normal and abnormal, reviews the classical nosology of neurosis, psychosis and character disorders, relates the concept of behaviour disorders to these notions and outlines the different therapy theories and techniques. Prerequisite: GL/PSYC 2510 6.00 or equivalent.

GL/PSYC 3230 3.00 Introduction à la psychologie anormale. Ce cours a pour but d'initier l'étudiant aux concepts de normalité et d'anormalité, d'examiner les névroses, les psychoses, et les désordres de personnalité, et de présenter en revue les différentes formes de thérapie qui sont utilisées dans le traitement des comportements anormaux. Condition préalable : GL/PSYC 2510 6.00 ou l'équivalent.

Language of Instruction: French

GL/PSYC 3240 3.00 Psychology of Anomalous Experience. Unusual experiences are examined in terms of normal psychological processes (attention, perception, recognition, belief etc.) as well as in relation to psychopathology. Topics discussed include: illusions, hallucinations, déjà vu, cryptomnesia, dop-pelganger, obsessions, ESP and witchcraft. Prerequisite: GL/PSYC 2510 6.00 or equivalent.

AK/AS/SC/PSYC 3250 3.00 Neural Basis of Behaviour. This course surveys issues concerning the development and localization of cerebral functions, and examines experimental and clinical studies illustrating behavioural effects of brain damage. Prerequisites: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C; AK/AS/SC/PSYC 2240 3.00 or AK/PSYC 3145 3.00.

Cross-listed to: AK/PSYC 3250 3.00 and AS/PSYC 3250 3.00 and SC/PSYC 3250 3.00

AK/AS/SC/PSYC 3260 3.00 Cognition. A survey of higher-order cognitive processes in humans. Topics include attention, memory, problem solving, thinking and language. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusion: AK/PSYC 3135 3.00.

Cross-listed to: AK/PSYC 3260 3.00 and AS/PSYC 3260 3.00 and SC/PSYC 3260 3.00

AK/AS/SC/PSYC 3265 3.00 Memory. An examination of how humans encode, store and retrieve information from memory. Although the course focuses on data from laboratory studies and their theoretical interpretation, some consideration is given to applied aspects of human memory. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusion: AK/PSYC 3130 3.00.

Cross-listed to: AK/PSYC 3265 3.00 and AS/PSYC 3265 3.00 and SC/PSYC 3265 3.00

AK/AS/SC/PSYC 3270 3.00 Sensation and Perception II. A continuation of Sensation and Perception I. Senses such as balance, taste, smell and touch are considered, and there is more thorough discussion of the methods used to study sensory processing and perception. Prerequisites: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C; AK/AS/SC/PSYC 2220 3.00 or AK/PSYC 3120 3.00.

Cross-listed to: AK/PSYC 3270 3.00 and AS/PSYC 3270 3.00 and SC/PSYC 3270 3.00

AK/AS/SC/PSYC 3280 3.00 Animal Behaviour. An introduction to the study of animal behaviour including comparative psychology, behavioural ecology, ethology and sociobiology. Prerequisite: AK/AS/SC/PSYC 1010

6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusion: AK/PSYC 3140 3.00 (before Summer 2002).

Cross-listed to: AK/PSYC 3280 3.00 and AS/PSYC 3280 3.00 and SC/PSYC 3280 3.00

GL/PSYC 3280 3.00 Learning. The student is introduced to some of the problems studied by psychologists in the fields of animal and human learning. Some theories of learning are presented for critical consideration by the students. Prerequisite: GL/PSYC 2510 6.00 or equivalent.

AK/AS/SC/PSYC 3290 3.00 Psycholinguistics. A survey of psycholinguistic research and theory. Topics chosen from the following: introduction to language structure, biological basis for language, speech perception, sentence processing, speech production, relation of language and thought, language acquisition and atypical language. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C, or AS/LING 1000 6.00. Degree credit exclusions: AK/AS/SC/PSYC 3190 3.00, AK/PSYC 3250 3.00 (before Summer 2002).

Cross-listed to: AS/LING 3220 3.00 and AK/PSYC 3290 3.00 and AS/PSYC 3290 3.00 and SC/PSYC 3290 3.00

GL/PSYC 3300 3.00 Introduction to Development: Infancy and Childhood. Theory and research in contemporary psychology are presented. Theories include Piaget's, Erickson's, attachment theory and learning theory. Topics include the development of motor skills, perception, learning, cognition, language, the brain, social behaviour, emotional behaviour, personality etc. Prerequisite: GL/PSYC 2510 6.00 or equivalent.

GL/PSYC 3300 3.00 Introduction au développement de l'enfant. Ce cours examinera les théories et les recherches empiriques les plus importantes en psychologie développementale, et portera surtout sur la première enfance et l'enfance. Le cours traitera du développement de la motricité, du cerveau, de la perception, de l'apprentissage, des connaissances, du langage, du comportement social, des émotions, de la personnalité, et de la conscience. Condition préalable : GL/PSYC 2510 6.00 ou l'équivalent.

Language of Instruction: French

AK/AS/SC/PSYC 3310 3.00 Psychology and Law. This course examines the applications of psychology to legal issues and procedures. Drawing from the areas of social, cognitive, developmental and clinical psychology, the law's informal theories of human behaviour are compared to what psychologists know on the basis of theories and research. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C.

Cross-listed to: AK/PSYC 3310 3.00 and AS/PSYC 3310 3.00 and SC/PSYC 3310 3.00

GL/PSYC 3310 3.00 Introduction to Development: Adolescence, Adulthood and Aging. Is development anything more than maturation? Is individual change simply a response to the Zeitgeist? This course focuses primarily on change in the individual and systemic change is considered. Prerequisite: GL/PSYC 2510 6.00 or equivalent.

GL/PSYC 3310 3.00 Psychologie du développement : adolescence, âge adulte et âge d'or. Ce cours en psychologie du développement étudie un choix de travaux théoriques et de recherches portant sur le développement durant l'adolescence, l'âge adulte et la vieillesse. Parmi les sujets traités, les théories des stages, la crise de la quarantaine et les changements intellectuels consécutifs à l'âge. Condition préalable : GL/PSYC 2510 6.00 ou l'équivalent.

Language of Instruction: French

GL/PSYC 3350 3.00 Educational Psychology. The application of principles from the psychology of learning, motivation and social interaction to the class-room situation. Topics considered include communication and understanding, the development of skills, creative and critical thinking, conceptualization, learning and teaching. Prerequisite: GL/PSYC 2510 6.00 or equivalent.

GL/PSYC 3350 3.00 La psychologie de l'éducation. La mise en application en situation de salle de classe des concepts psychologiques relatifs à l'apprentissage, à la motivation et à l'interaction sociale. Ce cours examinera diverses questions: la communication, la compréhension, le perfectionnement des habiletés, la réflexion critique et créatrice, la conceptualisation, l'apprentissage et l'enseignement. Condition préalable : GL/PSYC 2510 6.00 ou l'équivalent.

Language of Instruction: French

GL/PSYC 3370 3.00 Cognition. Some characteristics of cognition or thinking processes are examined through active study of selected research on concept learning, concept formation and problem-solving. Selected literature which presents methods to facilitate thinking or problem-solving is also examined. Prerequisite: GL/PSYC 2510 6.00 or equivalent.

GL/PSYC 3380 3.00 Motivation. This course examines the motivational concepts and approaches which are central to contemporary psychology. A survey approach is used and concepts as diverse as instinct and self-actualization are considered. Prerequisite: GL/PSYC 2510 6.00 or equivalent.

GL/PSYC 3390 3.00 Memory. The field of memory is a rapidly developing one. Models of memory and theories of forgetting, both early and present-day, are reviewed. Prerequisite: GL/PSYC 2510 6.00 or equivalent.

GL/PSYC 3390 3.00 La mémoire. Ce cours approfondira l'étude de la mémoire humaine sous ses aspects multiples : 1) la réception, la sélection (consciente ou inconsciente) d'informations reçues par les organes des sens; 2) le codage et le stockage de ces informations sous forme « d'engrammes » au sein d'ensembles de neurones; 3) la capacité d'accéder à ces informations. Condition préalable : GL/PSYC 2510 6.00 ou l'équivalent. Cours incompatible : GL/PSYC 3390 3.00(EN).

Language of Instruction: French

GL/PSYC 3400 3.00 L'apprentissage et la modification du comportement. Ce cours a pour but d'initier l'étudiant aux phénomènes et aux théories de base de la psychologie de l'apprentissage, ainsi qu'à certaines applications de ces données de base dans des milieux thérapeutiques. Condition préalable : GL/PSYC 2510 6.00 ou l'équivalent. Ce cours n'est pas ouvert aux étudiants qui ont suivi GL/PSYC 3280 3.00(FR).

Language of Instruction: French

AK/AS/SC/PSYC 3410 3.00 Educational Psychology. The application of theories and evidence from psychology to the process of education. Topics include the nature and control of human learning, theories of motivation, development of skills, concept formation, creative and critical thinking and social psychological processes in education. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusion: AK/PSYC 3245 3.00.

Cross-listed to: AK/PSYC 3410 3.00 and AS/PSYC 3410 3.00 and SC/PSYC 3410 3.00

AK/AS/SC/PSYC 3420 3.00 Evolutionary Psychology. The evolutionary origins of infra-human and human psychological processes and behaviour are considered from the perspective of the original Darwinian theory through to current sociobiological concepts. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C.

Cross-listed to: AK/PSYC 3420 3.00 and AS/PSYC 3420 3.00 and SC/PSYC 3420 3.00

AK/AS/PSYC 3430 3.00 Behaviour in Groups. An examination of human behaviour in small group situations, with particular emphasis on sensitivity training, communication, interaction feedback processes, norms, group development and role theory. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C.

Cross-listed to: AK/PSYC 3430 3.00 and AS/PSYC 3430 3.00

AK/AS/SC/PSYC 3450 3.00 Environmental Psychology. A survey of issues and research findings in environmental psychology. Topics emphasize the effects of the physical settings created by humans on behaviour and draw material from research in personal space, territoriality, privacy and small-group ecology. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C.

Cross-listed to: AK/PSYC 3450 3.00 and AS/PSYC 3450 3.00 and SC/PSYC 3450 3.00

GL/PSYC 3450 3.00 Psychopathology and Jurisprudence. Psychopathology and criminal behaviour. This course considers those behaviours which are contrary to both psychiatric and penal codes. The relations between psychiatric and penal settings are examined. Prerequisites: GL/PSYC 2510 6.00, GL/PSYC 3230 3.00 or equivalents.

AK/AS/SC/PSYC 3470 3.00 History of Psychology. This course examines the discipline of psychology from a historical perspective and studies the emergence and development (and sometimes decline) of a number of theoretical systems that have influenced the nature, content and direction of psychological inquiry. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusion: AK/PSYC 3260 3.00 (before Summer 2002).

Cross-listed to: AK/PSYC 3470 3.00 and AS/PSYC 3470 3.00 and SC/PSYC 3470 3.00

AK/AS/SC/PSYC 3480 3.00 Psychology of Women. This course explores factors associated with the psychology of women, including gender-role stereotypes, socialization practices, male-female differences and the family. At all times, the interpretation offered is made with reference to the broader social context. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusions: AK/PSYC 3700E 3.00, AK/SOCI 3390V 3.00, AK/SOCI 3880A 3.00.

Cross-listed to: AK/PSYC 3480 3.00 and AS/PSYC 3480 3.00 and SC/PSYC 3480 3.00 and AK/SOCI 3880 3.00

AK/AS/SC/PSYC 3490 3.00 Adult Development and Aging. An examination of data and theories relating to the psychology of adult development and aging. Major topics include biological and psychological theories of aging; age changes in intelligence, personality and social relations; pathologies of old age and methods of intervention. Prerequisites: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusion: AK/PSYC 3700D 3.00.

Cross-listed to: AK/PSYC 3490 3.00 and AS/PSYC 3490 3.00 and SC/PSYC 3490 3.00

AK/AS/SC/PSYC 3500 3.00 Development in Adolescence. This course involves the scientific study of changes in affective, social and cognitive development during the second decade of life. Focus is on fundamental developmental changes, the contexts in which development occurs and the central psychosocial issues of adolescence. Prerequisites: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C; AK/AS/SC/PSYC 2110 3.00 or AK/PSYC 3240 3.00.

Cross-listed to: AK/PSYC 3500 3.00 and AS/PSYC 3500 3.00 and SC/PSYC 3500 3.00

GL/PSYC 3510 3.00 Disturbances in Development. What is the developmental process? When is it considered abnormal? What causes the psychopathology? Theory, research and intervention related to infantile autism, childhood schizophrenia, learning disorders, mental retardation, genetic disorders, child abuse etc., are presented. Prerequisites: GL/PSYC 2510 6.00 and either GL/PSYC 3230 3.00, GL/PSYC 3300 3.00, or GL/PSYC 3310 3.00 or their equivalents taken either concurrently with, or preferably, prior to GL/PSYC 3510 3.00.

GL/PSYC 3510 3.00 Le développement anormal. Quand considère-t-on le développement anormal? Quelles sont les causes de cette psychopathologie? Ce cours examinera les concepts, les recherches empiriques, et les thérapies le plus importantes liées à ces questions. Des visites aux institutions voisines seront intégrées dans le cours. Condition préalable : GL/PSYC 2510 6.00 ou l'équivalent.

Language of Instruction: French

AK/AS/SC/PSYC 3520 3.00 Infancy. This course involves the scientific study of changes in motor development, perception, and social and physical cognition that occur during the first two years of life. Focus is on the nature and determination of these changes and on theoretical and methodological advances. Prerequisites: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C; AK/AS/SC/PSYC 2110 3.00 or AK/PSYC 3240 3.00.

Cross-listed to: AK/PSYC 3520 3.00 and AS/PSYC 3520 3.00 and SC/PSYC 3520 3.00

GL/PSYC 3525 3.00 Intermediate Experimental Psychology. This is a continuation of GL/PSYC 2520 3.00 for students who intend to complete an Honours degree in psychology. The major focus of the course is on applications of the principles taught in the first-term course in the context of empirical projects that students plan and carry out in association with the course instructors. In addition, students are introduced to the use of the basis statistical tools and discussion also focuses on research as an ongoing enterprise. Prerequisites: GL/PSYC 2510 6.00, GL/PSYC 2520 3.00 and GL/PSYC 2530 3.00, although the latter course may be taken concurrently. Degree credit exclusion: GL/PSYC 2521 3.00.

AK/AS/SC/PSYC 3530 3.00 Psychology of Individual Differences. The scientific study of individual difference variables such as traits, values, interests, motives, skills, abilities, attitudes, styles and roles. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusion: AK/PSYC 3700H 3.00.

Cross-listed to: AK/PSYC 3530 3.00 and AS/PSYC 3530 3.00 and SC/PSYC 3530 3.00

AK/AS/SC/PSYC 3540 3.00 Introduction to Psychological Testing. This course considers tests of various psychological attributes (e.g. intelligence, personality etc.) and their use in applied settings. Special consideration is given to the interpretation and reporting of test scores and profiles. This course is not intended to teach techniques of test administration. Prerequisites: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C; AK/AS/SC/PSYC 3090 3.00 or AK/PSYC 3115 3.00.

Cross-listed to: AK/PSYC 3540 3.00 and AS/PSYC 3540 3.00 and SC/PSYC 3540 3.00

AK/AS/SC/PSYC 3550 3.00 Creativity. This course offers a systematic study of the persons, processes and products of creativity, including theories, research and measurement methods. Creativity is defined as something that is both novel and significant. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusion: AK/PSYC 3700 A 3.00.

Cross-listed to: AK/PSYC 3550 3.00 and AS/PSYC 3550 3.00 and SC/PSYC 3550 3.00

GL/PSYC 3550 3.00 Psychological Testing and Measurement. Theoretical and practical aspects of testing and measurement are treated, with particular attention being given to the principles and problems of measurement in the areas of personality, social psychology and psychopathology. Prerequisites: GL/PSYC 2510 6.00 and GL/PSYC 2530 3.00 or equivalents.

AK/AS/SC/PSYC 3560 3.00 Psychology of Death and Dying. This course considers issues and topics in thanatology including sociocultural influences on our understanding of death, care of the dying and medical ethics. It examines research and theory in aging and illness, adjustment to life-threatening conditions and grief reactions. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusions: AK/PSYC 3290 3.00 (before Summer 2002), AK/AS/SC/PSYC 4250 3.00, AK/NURS 4790B 3.00.

Cross-listed to: AK/PSYC 3560 3.00 and AS/PSYC 3560 3.00 and SC/PSYC 3560 3.00

GL/PSYC 3560 3.00 Introduction to Social Psychology. This course examines human social behaviour from the perspective of the experimental social psychologist. Topics include theories and research methods of social psychology, social perception and attraction, social cognition, language and bilingualism, attitudes, attitude change and

prejudice. Prerequisite: GL/PSYC 2510 6.00 or equivalent. GL/PSYC 2520 3.00 is strongly recommended.

AK/AS/SC/PSYC 3570 3.00 Organizational Psychology. This course involves the study of how individuals think about and relate to one another in organizations and business. It raises theoretical, scientific and practical questions about various aspects of psychological life in the workplace. Prerequisites: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C; AK/AS/SC/PSYC 2120 3.00 or AK/PSYC 3210 3.00. Degree credit exclusions: AS/SC/PSYC 3510B 3.00 (before 1999-2000), AK/PSYC 3230 3.00.

Cross-listed to: AK/PSYC 3570 3.00 and AS/PSYC 3570 3.00 and SC/PSYC 3570 3.00

AK/AS/SC/PSYC 3590 3.00 Drugs and Behaviour. A survey of various aspects of major licit and illicit drugs. Topics include historical changes in use/abuse, methods of administration, neurochemical actions, pharmacological effects, and theories of addiction as viewed from physiological, cognitive, learning and social-psychological perspectives. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusion: AS/SC/PSYC 3510C 3.00 (before 2001-2002).

Cross-listed to: AK/PSYC 3590 3.00 and AS/PSYC 3590 3.00 and SC/PSYC 3590 3.00

AK/AS/PSYC 3600 3.00 Community Psychology. This course introduces environmental, sociological and ecological perspectives on psychological well-being that differentiate community psychology from the medical model of mental illness. Other topics include stress and coping, prevention, self-help, social support and culture. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusion: AK/PSYC 3700B 3.00.

Cross-listed to: AK/PSYC 3600 3.00 and AS/PSYC 3600 3.00

GL/PSYC 3600 3.00 Psychology and Law. Laws and court decisions are based on assumptions about human behaviour and its causes. The validity of these assumptions can be appraised with the methods of social science. Topics will include the fallibility of the eyewitness, jury decisions, the trustworthiness of hearsay and police evidence. Prerequisite: GL/PSYC 2510 6.00.

Cross-listed to: GL/PSYC 3600 3.00 and GL/SOSC 3600 3.00

AK/AS/PSYC 3630 3.00 The Psychology of the Family. A study of the family unit, drawing on findings and concepts from the areas of developmental, clinical and social psychology. Research on the social psychology and psychodynamics of the family group is considered. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusion: AK/PSYC 3700J 3.00.

Cross-listed to: AK/PSYC 3630 3.00 and AS/PSYC 3630 3.00

GL/PSYC 3635 3.00 Health Psychology. This course examines psychological contributions to health maintenance, prevention and treatment of illness, and to the identification of correlates of specific conditions in health and illness. Prerequisite: GL/PSYC 2510 6.00. Degree credit exclusions: GL/PSYC 3010 3.00 (Fall/Winter 1988-1989, Fall/Winter 1989-1990, Fall/Winter 1991-1992) and GL/PSYC 3700 3.00.

Cross-listed to: GL/NATS 3635 3.00 and GL/PSYC 3635 3.00

GL/PSYC 3635 3.00 Psychologie de la santé. La psychologie de la santé constitue un secteur d'activité en pleine effervescence. Le cours mettra l'emphase sur le rôle scientifique de la psychologie appliqué aux problèmes de santé, le stress psychologique ainsi que plusieurs variables modératrices. Condition préalable : GL/PSYC 2510 6.00. Cours incompatibles : GL/PSYC 3010 3.00(EN) Automne/hiver 1988-1989, Automne/hiver 1989-1990 and Automne/hiver 1991-1992 and GL/PSYC 3700 3.00.

Language of Instruction: French

Cross-listed to: GL/NATS 3635 3.00 and GL/PSYC 3635 3.00

GL/PSYC 3640 3.00 Psychological Studies of Language. Human language is unique among communication systems in its richness,

complexity of structure, and function. This course examines language both as a symbolic system and as a motor activity produced by a biological organism. Topics include language acquisition, bilingualism and the interrelationship between language and thinking. Prerequisite: GL/PSYC 2510 6.00 or equivalent.

Cross-listed to: GL/NATS 3640 3.00 and GL/PSYC 3640 3.00

GL/PSYC 3640 3.00 La Psycholinguistique. Ce cours examinera les concepts, les théories, et les recherches empiriques les plus importants dans l'étude du langage en tant que système symbolique et en tant qu'activité motrice biologique. On traitera de l'acquisition du langage, du bilinguisme, et de la relation entre le langage et la pensée. Condition préalable : GL/PSYC 2510 6.00 ou l'équivalent.

Language of Instruction: French

Cross-listed to: GL/NATS 3640 3.00 and GL/PSYC 3640 3.00

GL/PSYC 3650 3.00 History of Experimental Psychology. This course introduces the student to the main lines of development of scientific psychology, as well as to the major theoretical systems which have emerged within psychology. Prerequisite: GL/PSYC 2510 6.00 or equivalent.

Cross-listed to: GL/NATS 3650 3.00 and GL/PSYC 3650 3.00

GL/PSYC 3660 3.00 Introduction to Social Psychology. This course examines human social behaviour from the perspective of the experimental social psychologist. Topics include theories and research methods of social psychology, social perception and attraction, social cognition, language and bilingualism, attitudes, attitude change and prejudice. Prerequisite: GL/PSYC 2510 6.00 or equivalent. GL/PSYC 2520 3.00 is strongly recommended. Degree credit exclusion: GL/PSYC 3560 3.00(EN).

Cross-listed to: GL/ILST 3660 3.00 and GL/PSYC 3660 3.00

GL/PSYC 3662 3.00 Interpersonal and Intergroup Processes. This course is a sequel to GL/PSYC 3660 3.00 and it examines behavioural interaction between individuals and between groups. Topics covered include aggression, altruism, conflict resolution, language and bilingualism and large-scale collective behaviour. Prerequisites: GL/PSYC 2510 6.00 and GL/PSYC 3660 3.00. GL/PSYC 2520 3.00 is strongly recommended. Degree credit exclusion: GL/PSYC 3565 3.00(EN).

Cross-listed to: GL/ILST 3662 3.00 and GL/PSYC 3662 3.00

AK/AS/PSYC 3670 3.00 Psychology of Sexual Orientation. This course examines how psychology theorizes and researches sexual orientations. Numerous theoretical perspectives are discussed and empirical research is reviewed. Issues include development of sexual orientations, and attitudes towards those with minority sexual orientations and identity development. Prerequisite: AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Degree credit exclusion: AK/SOCI 3880B 3.00.

Cross-listed to: AK/PSYC 3670 3.00 and AS/PSYC 3670 3.00 and AK/SOCI 3885 3.00

GL/PSYC 3670 3.00 Psychobiology. This course reviews the physiological basis of behaviour including elements of neuroanatomy, psycho-physiology, neuropsychology and psycho-pharmacology. Prerequisite: GL/PSYC 2510 6.00 or equivalent.

Cross-listed to: GL/NATS 3670 3.00 and GL/PSYC 3670 3.00

GL/PSYC 3675 3.00 Humans as Primates: Comparative Evolutionary Views. This course discusses non-human primate research from comparative, developmental and evolutionary perspectives, focusing on its implications for human psychology. Topics may include primate evolution (brain/behaviour) and ecology, parenting, mating, social dominance/affiliation, language, deception, self-awareness, cognition and imitation. Prerequisite: GL/PSYC 2510 6.00. Degree credit exclusion(s): GL/PSYC/NATS 3010 3.00 (Winter 1994, Winter 1995, Winter 1997).

Cross-listed to: GL/NATS 3675 3.00 and GL/PSYC 3675 3.00

GL/PSYC 3675 3.00 L'humain comme espèce primate. Ce cours veut examiner la psychologie humaine de la perspective de notre histoire

comme espèce dans l'ordre biologique Primata. Le cours discutera les connaissances actuelles sur les primates nonhumains de différentes perspectives - comparative, développementale, évolutionnaire - afin d'explorer leurs implications pour les humains.

Language of Instruction: French

Cross-listed to: GL/NATS 3675 3.00 and GL/PSYC 3675 3.00

GL/PSYC 3680 3.00 Evolution of Behaviour in Animals. Research and theory with animals are considered. Perspectives in evolution, ethology, sociobiology and psychology are dealt with. Topics covered include facial, vocal and spatial communications; perception, learning and reproduction. Prerequisite: GL/PSYC 2510 6.00 or equivalent.

Cross-listed to: GL/NATS 3680 3.00 and GL/PSYC 3680 3.00

GL/PSYC 3680 3.00 L'évolution du comportement chez les animaux. Ce cours examinera les concepts et les recherches empiriques les plus importantes dans l'étude de l'évolution du comportement, et portera principalement sur les animaux, mais aussi, sur l'homme. Le cours traitera de l'évolution de la perception, de l'apprentissage, de la physiologie, de la reproduction, de l'alimentation, du comportement social etc. La théorie de l'évolution par sélection naturelle sera discutée. Condition préalable : GL/PSYC 2510 6.00 ou l'équivalent.

Language of Instruction: French

Cross-listed to: GL/NATS 3680 3.00 and GL/PSYC 3680 3.00

GL/PSYC 3690 3.00 Perception. This course focuses on the nature of light, the eye and the visual nervous system. Early vision (encoding light and pattern) and higher order vision (encoding surfaces and objects) are covered. Neurobiological mechanisms are underlined. The auditory system is also covered. Prerequisite: GL/PSYC 2510 6.00. Degree credit exclusion: GL/PSYC 3290 3.00.

Cross-listed to: GL/NATS 3690 3.00 and GL/PSYC 3690 3.00

AK/AS/SC/PSYC 3890 3.00 Independent Study. Students may arrange to do independent study with members of the Psychology Department. This allows students and professors to work in areas of psychology that lie outside the usual course offerings. Contact the undergraduate office for details. Prerequisites: 36 credits completed, including AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Note: Students may take a maximum of six credits of psychology independent study courses in each academic session. Faculty of Arts students should see the Faculty of Arts section of the Undergraduate Programs Calendar for regulations on "Independent Reading Courses". Some independent study topics may not be eligible for science (SC) credit.

Cross-listed to: AK/PSYC 3890 3.00 and AS/PSYC 3890 3.00 and SC/PSYC 3890 3.00

AK/AS/SC/PSYC 3890 6.00 Independent Study. Students may arrange to do independent study with members of the Psychology Department. This allows students and professors to work in areas of psychology that lie outside the usual course offerings. Contact the undergraduate office for details. Prerequisites: 36 credits completed, including AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Note: Students may take a maximum of six credits of psychology independent study courses in each academic session. Faculty of Arts students should see the Faculty of Arts section of the Undergraduate Programs Calendar for regulations on "Independent Reading Courses". Some independent study topics may not be eligible for science (SC) credit.

Cross-listed to: AK/PSYC 3890 6.00 and AS/PSYC 3890 6.00 and SC/PSYC 3890 6.00

AK/AS/PSYC 3890A 3.00 Independent Study. Students may arrange to do independent study with members of the Psychology Department. This allows students and professors to work in areas of psychology that lie outside the usual course offerings. Contact the undergraduate office for details. Prerequisites: 36 credits completed, including AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C. Note: Students may take a maximum of six credits of psychology independent study courses in each academic session. Faculty of Arts students should see the Faculty of Arts section of the Undergraduate Programs Calendar

for regulations on "Independent Reading Courses". Some independent study topics may not be eligible for science (SC) credit.

Cross-listed to: AK/PSYC 3890A 3.00 and AS/PSYC 3890A 3.00

4000-Level Courses

Note for Arts, Atkinson, Science students:

To be eligible to enrol in 4000-level psychology courses, students must be in an Honours program and have completed at least 84 credits. Further, all 4000-level psychology courses have the following general prerequisites:

AK/AS/SC/PSYC 1010 6.00 or AK/PSYC 2410 6.00, with a minimum grade of C;

AK/AS/SC/PSYC 2030 3.00 or AK/PSYC 2530 3.00;

one of AK/AS/SC/PSYC 2021 3.00, AK/AS/SC/PSYC 2020 6.00, AK/PSYC 2510 3.00.

Some 4000-level psychology courses may have prerequisites in addition to the general prerequisites listed above. For additional prerequisites, please see below.

Students may be allowed to register for a course for which they lack the stated prerequisites if they obtain written permission of the instructor. See the department's supplemental calendar for the conditions under which such permission may be given.

AK/AS/SC/PSYC 4000 6.00 Honours Thesis. Students carry out an individual piece of psychological research in consultation with a thesis supervisor and write a thesis. Some Honours thesis topics may not be eligible for science (SC) credit. Prerequisites: General prerequisites; AK/AS/SC/PSYC 2020 6.00 (or equivalent). Degree credit exclusions: AK/PSYC 4700 3.00, AK/PSYC 4800 6.00. Note: Not open to students who have passed or are taking AS/SC/PSYC 4170 6.00. Note: Students must obtain the written approval of an Honours thesis supervisor before registration is permitted. Forms for this purpose are available in the undergraduate office.

Cross-listed to: AK/PSYC 4000 6.00 and AS/PSYC 4000 6.00 and SC/PSYC 4000 6.00

GL/PSYC 4000 6.00 Honours Thesis. An opportunity for the advanced student to study a topic in some depth, by doing an empirical study — although, under unusual circumstances, non-empirical work may also be acceptable. Open only to fourth-year students. Prerequisite: Permission of the department.

GL/PSYC 4000 6.00 Mémoire Avancé. Ce cours donne à l'étudiant de quatrième année l'occasion d'étudier un sujet à un niveau approfondi, en faisant une étude empirique — bien que, dans certains cas, une étude non-empirique puisse aussi être acceptable. Offert seulement aux étudiants de quatrième année. Condition préalable : Permission du département.

Language of Instruction: French

AK/AS/SC/PSYC 4010 3.00 Seminar in Developmental Psychology. Some major modern theories of child development are compared and their corresponding data and methodologies are analyzed. Prerequisites: General prerequisites; AK/AS/SC/PSYC 2110 3.00 or AK/PSYC 3240 3.00. Degree credit exclusions: AK/AS/SC/PSYC 4010 6.00, AK/PSYC 4140 3.00.

Cross-listed to: AK/PSYC 4010 3.00 and AS/PSYC 4010 3.00 and SC/PSYC 4010 3.00

AK/AS/SC/PSYC 4010 6.00 Seminar in Developmental Psychology. Some major modern theories of child development are compared and their corresponding data and methodologies are analyzed. Prerequisites: General prerequisites; AK/AS/SC/PSYC 2110 3.00 or AK/PSYC 3240 3.00. Degree credit exclusions: AK/AS/SC/PSYC 4010 3.00, AK/PSYC 4140 3.00.

Cross-listed to: AK/PSYC 4010 6.00 and AS/PSYC 4010 6.00 and SC/PSYC 4010 6.00

AK/AS/SC/PSYC 4020 3.00 Seminar in Social Psychology. In depth consideration of contemporary issues in social psychology. The focus will vary depending on the speciality area of the instructor. Prerequisites:

General prerequisites; AK/AS/SC/PSYC 2120 3.00 or AK/PSYC 3210 3.00. Degree credit exclusions: AK/AS/SC/PSYC 4020 6.00, AK/PSYC 4110 3.00.

Cross-listed to: AK/PSYC 4020 3.00 and AS/PSYC 4020 3.00 and SC/PSYC 4020 3.00

AK/AS/SC/PSYC 4020 6.00 Seminar in Social Psychology. In depth consideration of contemporary issues in social psychology. The focus will vary depending on the speciality area of the instructor. Prerequisites: General prerequisites; AK/AS/SC/PSYC 2120 3.00 or AK/PSYC 3210 3.00. Degree credit exclusions: AS/SC/PSYC 4020 3.00, AK/PSYC 4110 3.00.

Cross-listed to: AK/PSYC 4020 6.00 and AS/PSYC 4020 6.00 and SC/PSYC 4020 6.00

AK/AS/SC/PSYC 4030 6.00 Behaviour Modification and Behaviour Therapy. An examination of theoretical issues, basic research and practical application in the area of behaviour change. Prerequisites: AK/AS/SC/PSYC 2130 3.00 or AK/PSYC 3220 3.00; AK/PSYC 3140 3.00 (after Winter 2002) or AS/SC/PSYC 3140 3.00 or AK/PSYC 3215 3.00; general prerequisites or registration in the Joint York/Seneca Program in Rehabilitation Services.

Cross-listed to: AK/PSYC 4030 6.00 and AS/PSYC 4030 6.00 and SC/PSYC 4030 6.00

AK/AS/SC/PSYC 4040 6.00 Rehabilitation Psychology. A seminar course that introduces students to the field of rehabilitation of persons with disability (physical, emotional, developmental) with special emphasis on the contribution of psychology to theory and practice. Prerequisites: General prerequisites; AK/AS/SC/PSYC 2130 3.00 or AK/PSYC 3220 3.00; AK/PSYC 3140 3.00 (after Winter 2002) or AS/SC/PSYC 3140 3.00 or AK/PSYC 3215 3.00. Students without these prerequisites may enrol with the written permission of the instructor. Degree credit exclusion: AK/AS/SC/PSYC 4040 3.00.

Cross-listed to: AK/PSYC 4040 6.00 and AS/PSYC 4040 6.00 and SC/PSYC 4040 6.00

AK/AS/SC/PSYC 4050 6.00 Personality Theory and Behaviour Therapy. A critical review of current concepts of the nature, causes and amelioration of disordered behaviour. Concepts are illustrated with selected examples of both normal and abnormal social behaviour. Prerequisites: General prerequisites; AK/AS/SC/PSYC 2130 3.00 or AK/PSYC 3220 3.00; AK/PSYC 3140 3.00 (after Winter 2002) or AS/SC/PSYC 3140 3.00 or AK/PSYC 3215 3.00.

Cross-listed to: AK/PSYC 4050 6.00 and AS/PSYC 4050 6.00 and SC/PSYC 4050 6.00

AK/AS/SC/PSYC 4060 6.00 Counselling Psychology. An examination of current theory, practice and research in counselling. Theories of personality change, decision-making and vocational development are considered in relation to the counselling process in various settings. Prerequisites: AK/AS/SC/PSYC 2130 3.00 or AK/PSYC 3220 3.00; AK/PSYC 3140 3.00 (after Winter 2002) or AS/SC/PSYC 3140 3.00 or AK/PSYC 3215 3.00; general prerequisites or registration in the Joint York/Seneca Program in Rehabilitation Services. Degree credit exclusions: AK/AS/SC/PSYC 4061 3.00, AK/AS/SC/PSYC 4062 3.00, AK/PSYC 4210 3.00, AK/PSYC 4240 3.00.

Cross-listed to: AK/PSYC 4060 6.00 and AS/PSYC 4060 6.00 and SC/PSYC 4060 6.00

AK/AS/SC/PSYC 4061 3.00 Theoretical Approaches to Counselling and Psychotherapy. A survey of current psychotherapies including psychoanalytic, humanistic and behaviour therapies. Emphasis is on the theoretical assumptions made by different theories and the impact of theory on practice. Prerequisites: General prerequisites; AK/AS/SC/PSYC 2130 3.00 or AK/PSYC 3220 3.00; AK/PSYC 3140 3.00 (after Winter 2002) or AS/SC/PSYC 3140 3.00 or AK/PSYC 3215 3.00. Degree credit exclusions: AK/AS/SC/PSYC 4060 6.00, AK/PSYC 4210 3.00.

Cross-listed to: AK/PSYC 4061 3.00 and AS/PSYC 4061 3.00 and SC/PSYC 4061 3.00

AK/AS/SC/PSYC 4062 3.00 Skills and Techniques in Counselling and Psychotherapy. This course examines skills that are common to many modern psychotherapies. Theoretical papers and empirical studies evaluating various therapeutic techniques and clinical skills are considered. Prerequisites: General prerequisites; AK/AS/SC/PSYC 4061 3.00 or AK/PSYC 4210 3.00. Degree credit exclusions: AK/AS/SC/PSYC 4060 6.00, AK/PSYC 4240 3.00.

Cross-listed to: AK/PSYC 4062 3.00 and AS/PSYC 4062 3.00 and SC/PSYC 4062 3.00

AK/AS/SC/PSYC 4080 6.00 Neuropsychology of Abnormal Behaviour. An examination of the genetic, physiological and anatomical bases of several types of abnormal behaviour. The social, public policy and ethical implications of a neuropsychological view of abnormal behaviour are discussed. Prerequisites: General prerequisites; AK/AS/SC/PSYC 2240 3.00 or AK/PSYC 3145 3.00; AK/PSYC 3140 3.00 (after Winter 2002) or AS/SC/PSYC 3140 3.00 or AK/PSYC 3215 3.00. Students without these prerequisites may enrol with the written permission of the instructor.

Cross-listed to: AK/PSYC 4080 6.00 and AS/PSYC 4080 6.00 and SC/PSYC 4080 6.00

GL/PSYC 4100 3.00 Individual Studies. This course is conducted on a one-to-one basis between the student and the instructor. It consists of an intensive study of a particular problem in psychology of interest to both the student and the instructor and may or may not include a practicum. Prerequisite: Restricted to fourth-year psychology majors. Prior approval of the department required.

GL/PSYC 4100 3.00 Travail individuel. Ceci consiste en un programme d'étude intensif d'un sujet psychologique d'intérêt à l'étudiant ainsi qu'au professeur (qui peut comprendre un stage pratique) et qui est suivi par l'étudiant individuellement avec le professeur de son choix. Conditions préalables : Restreint aux étudiants de quatrième année qui font une majeure en psychologie et l'approbation du département.

Language of Instruction: French

GL/PSYC 4100 6.00 Individual Studies. This course is conducted on a one-to-one basis between the student and the instructor. It consists of an intensive study of a particular problem in psychology of interest to both the student and the instructor and may or may not include a practicum. Prerequisite: Restricted to fourth-year psychology majors. Prior approval of the department required.

GL/PSYC 4100 6.00 Travail individuel. Ceci consiste en un programme d'étude intensif d'un sujet psychologique d'intérêt à l'étudiant ainsi qu'au professeur (qui peut comprendre un stage pratique) et qui est suivi par l'étudiant individuellement avec le professeur de son choix. Conditions préalables : Restreint aux étudiants de quatrième année qui font une majeure en psychologie et l'approbation du département.

Language of Instruction: French

AK/AS/SC/PSYC 4130 6.00 Psychoanalytic Psychology. An advanced seminar dealing with selected aspects of Freudian and/or neo-Freudian theory. Prerequisites: General prerequisites; AK/AS/SC/PSYC 2130 3.00 or AK/PSYC 3220 3.00.

Cross-listed to: AK/PSYC 4130 6.00 and AS/PSYC 4130 6.00 and SC/PSYC 4130 6.00

AK/AS/SC/PSYC 4140 6.00 Current Research and Issues in Personality. A seminar focusing on some of the current and classical issues in personality research and theory, and on some basic personality models. Dissonant research evidence serves as a basis for discussion and debate. Prerequisites: General prerequisites.

Cross-listed to: AK/PSYC 4140 6.00 and AS/PSYC 4140 6.00 and SC/PSYC 4140 6.00

AK/AS/SC/PSYC 4150 6.00 Rigorous Alternatives for Contemporary Psychology. This course examines the wide range of criticism mounted against contemporary mainstream psychology over the past 25 years and explores in depth several philosophically sophisticated alternative

psychological approaches to the study of behaviour and experience. Prerequisites: General prerequisites.

Cross-listed to: AK/PSYC 4150 6.00 and AS/PSYC 4150 6.00 and SC/PSYC 4150 6.00

AK/AS/SC/PSYC 4160 3.00 Listening: Issues in Auditory Cognition. Our perception of sound surpasses the quality of sensory information: it results from mental processing, or "auditory cognition". Topics include: memory for music and speech, auditory illusions, linguistic theory, psychoacoustics and timbre. Knowledge of music is recommended but not required. Classes involve lectures, demonstrations and discussions. Prerequisites: General psychology prerequisites. Degree credit exclusion: AK/PSYC 4135 3.00.

Cross-listed to: AK/MUSI 4135 3.00 and AK/PSYC 4160 3.00 and AS/PSYC 4160 3.00 and SC/PSYC 4160 3.00

AS/SC/PSYC 4170 6.00 Advanced Research in Psychology. As an alternative to independent thesis research (AK/AS/SC/PSYC 4000 6.00), this course offers structure, support and guidance for student research by means of regular seminar meetings. Different sections of the course (described in the department's supplemental calendar) may focus on different types of research. Some research topics may not be eligible for science (SC) credit. Prerequisites: General prerequisites; AS/SC/PSYC 2020 6.00 (or equivalent). Degree credit exclusions: AK/PSYC 4700 3.00, AK/PSYC 4800 6.00. Note: Not open to students who have passed or are taking AK/AS/SC/PSYC 4000 6.00. Note: Not appropriate for Atkinson students.

Cross-listed to: AS/PSYC 4170 6.00 and SC/PSYC 4170 6.00

AK/AS/SC/PSYC 4180 3.00 Seminar in Comparative Cognition. This seminar course focuses on the various approaches to the study of cognitive processes in non-human animal species. The course includes the study of memory, problem-solving, concept formation, the representation of time and number and language acquisition in non-human animals. Prerequisites: General prerequisites; six credits chosen from AK/AS/SC/PSYC 2210 3.00, AK/PSYC 3130 3.00, AK/PSYC 3135 3.00, AK/PSYC 3140 3.00 (before Summer 2002), AK/PSYC 3150 3.00, AK/PSYC 3260 3.00 (after Winter 2002), AS/SC/PSYC 3260 3.00, AK/AS/SC/PSYC 3265 3.00, AK/AS/SC/PSYC 3280 3.00.

Cross-listed to: AK/PSYC 4180 3.00 and AS/PSYC 4180 3.00 and SC/PSYC 4180 3.00

AK/AS/SC/PSYC 4190 3.00 Seminar in Health Psychology. This course examines in depth a number of current topics within the field of health psychology from a biopsychosocial perspective. Topics include stress and its effect on health, the psychology of pain and illness, effects of the mind on the immune system. Prerequisites: General prerequisites; one of AK/AS/SC/PSYC 2210 3.00, AK/AS/SC/PSYC 2230 3.00, AK/AS/SC/PSYC 2240 3.00, AK/AS/SC/PSYC 3170 3.00, AK/PSYC 3145 3.00, AK/PSYC 3150 3.00, AK/PSYC 3155 3.00, AS/SC/PSYC 3440 3.00.

Cross-listed to: AK/PSYC 4190 3.00 and AS/PSYC 4190 3.00 and SC/PSYC 4190 3.00

AK/AS/SC/PSYC 4220 6.00 Theories of Human Nature. A critical examination of theories of human nature with special emphasis on psychological theories, cultural and social theories, psychoanalysis, philosophical theories, racial theories and economic theories. Prerequisites: General prerequisites. Open to students after completion of 48 credits with written permission of the instructor.

Cross-listed to: AK/PSYC 4220 6.00 and AS/PSYC 4220 6.00 and SC/PSYC 4220 6.00

AK/AS/SC/PSYC 4230 3.00 Human Performance in Systems. This seminar course examines the application of systems psychology and human factors to the development and evaluation of complex operational systems. Seminar topics include simulation techniques, function allocation, human capabilities, task design, personnel selection, evaluation of individual and system performance. Normally offered in alternate years. Prerequisites: General prerequisites or written permission of the instructor.

Cross-listed to: AK/PSYC 4230 3.00 and AS/PSYC 4230 3.00 and SC/PSYC 4230 3.00

GL/PSYC 4230 3.00 Advanced Seminar. This course attempts to integrate various areas of psychology for the advanced student. The format of the course and its subject matter vary from year to year.

GL/PSYC 4230 3.00 Séminaire avancé. Ce séminaire a pour objet le développement d'aptitudes devant aider les étudiants à clarifier et organiser leurs idées et à les exprimer efficacement par écrit ou oralement. Un certain nombre de sujets empruntés à des publications savantes serviront de points de départ pour des présentations orales ou des exercices écrits.

Language of Instruction: French

GL/PSYC 4240 3.00 Advanced Experimental Design. The design and evaluation of psychological experiments are stressed, including detailed treatment of various analysis of variance models. In addition, the philosophy of statistics is examined in some detail. Prerequisites: GL/PSYC 2530 3.00 and the permission of the instructor. Note: It is strongly advised that students carefully review the material covered in GL/PSYC 2530 3.00, before lectures begin in this course.

AK/AS/SC/PSYC 4250 3.00 Seminar in Psychology of Death and Dying. This seminar explores a wide range of issues related to dying and death including the development of attitudes towards death, the psychosocial context of dying, the mental life of the dying person, the movement toward palliative care and the nature and dynamics of grief. Prerequisites: General prerequisites as listed under Atkinson psychology courses; one of AK/AS/SC/PSYC 2130 3.00, AK/PSYC 3140 3.00 (after Winter 2002), AS/SC/PSYC 3140 3.00, AK/PSYC 3215 3.00, AK/PSYC 3220 3.00; or, for students in the BScN program, permission of the Chair of psychology. Degree credit exclusions: AK/PSYC 3290 3.00 (before Summer 2002), AK/AS/SC/PSYC 3560 3.00.

Cross-listed to: AK/NURS 4790B 3.00 and AK/PSYC 4250 3.00 and AS/PSYC 4250 3.00 and SC/PSYC 4250 3.00

GL/PSYC 4250 3.00 Theories and Techniques of Counselling. This course examines a variety of basic theories of counselling, and approaches to inducing client change. Issues such as client counsellor differences, contextual effects on the counselling relationship and ethical issues will be discussed. Prerequisites: GL/PSYC 2510 6.00 and either GL/PSYC 3220 3.00(EN) or GL/PSYC 3230 3.00(EN/FR).

GL/PSYC 4270 3.00 Rehabilitation Psychology. Rehabilitation psychology deals with the etiology, assessment and treatment of psychological impairments due to physical injury, chronic disease and other disabling conditions. The course will cover assessment, diagnosis of the impairments, some basic tests (in personality, cognition) and treatment (of mental health). Prerequisites: GL/PSYC 2520 3.00 and GL/PSYC 2530 3.00.

AK/AS/SC/PSYC 4460 6.00 Atypical Development. An examination of problems relating to children with physical, mental, social and emotional problems. An extensive exploration of the nature and causes of the dysfunction, and of experimental methods, research findings and current remedial techniques. Prerequisites: General prerequisites; AK/AS/SC/PSYC 2110 3.00 or AK/PSYC 3240 3.00.

Cross-listed to: AK/PSYC 4460 6.00 and AS/PSYC 4460 6.00 and SC/PSYC 4460 6.00

GL/PSYC 4510 3.00 Advanced Seminar in Developmental Psychology. Major modern theories and research findings related to psychological development are reviewed in depth and opportunities provided for intensive study of topics of contemporary interest. Prerequisites: GL/PSYC 2510 6.00, GL/PSYC 3300 3.00 and GL/PSYC 3310 3.00. Permission of the instructor.

AK/PSYC 4600B 3.00 Directed Reading.

AK/PSYC 4600C 3.00 Directed Reading.

GL/PSYC 4635 3.00 Computer Algorithms and Techniques for Imaging Cognition. This course offers an introduction to techniques and computer algorithms for functional brain imaging as well as recent development in cognitive neuropsychology. It examines how theories of normal cognitive functioning can be informed by evidence from brain-damaged patients and how converging evidence may be obtained from functional neuro-imaging techniques. Programming exercises will use data sets from current experiments. Prerequisites: GL/CLSA/ITEC 2620 3.00 plus six credits at the 3000 and six credits at the 4000 level in psychology or permission of the instructor.

Cross-listed to: GL/CSLA 4635 3.00 and GL/ITEC 4635 3.00 and GL/PSYC 4635 3.00

GL/PSYC 4635 3.00 Algorithmes et techniques informatiques pour l'imagerie cognitive. Ce cours offre une introduction aux techniques et algorithmes de l'imagerie fonctionnelle du cerveau aussi bien qu'une présentation des dernières réalisations en neuropsychologie cognitive. Il analyse les théories du fonctionnement cognitif normal et des mesures prélevées sur des patients atteints de lésions cérébrales, et la convergence avec les résultats obtenus à partir des techniques de l'imagerie fonctionnelle du cerveau. Les exercices de programmation prévus utiliseront les données d'expérimentations en cours. Conditions préalables : GL/CSLA/ITEC 2620 3.00 plus six crédits au niveau 3000 et six crédits au niveau 4000 en Psychologie ou la permission du professeur.

Language of Instruction: French

Cross-listed to: GL/CSLA 4635 3.00 and GL/ITEC 4635 3.00 and GL/PSYC 4635 3.00

AK/AS/SC/PSYC 4890 3.00 Independent Study. Students may arrange to do independent study with members of the Psychology Department. This allows students and professors to work in areas of psychology that lie outside the usual course offerings. Contact the undergraduate office for details. Prerequisites: General prerequisites. Note: Students wishing a half course register in AK/AS/SC/PSYC 4890 3.00. Students may take one full course (or two half courses) in independent study in each academic session. Faculty of Arts students should see the Faculty of Arts section of the Undergraduate Programs Calendar for regulations on "Independent Reading Courses". Some independent study topics may not be eligible for science (SC) credit.

Cross-listed to: AK/PSYC 4890 3.00 and AS/PSYC 4890 3.00 and SC/PSYC 4890 3.00

AK/AS/SC/PSYC 4890 6.00 Independent Study. Students may arrange to do independent study with members of the Psychology Department. This allows students and professors to work in areas of psychology that lie outside the usual course offerings. Contact the undergraduate office for details. Prerequisites: General prerequisites. Note: Students wishing a half course register in AK/AS/SC/PSYC 4890 3.00. Students may take one full course (or two half courses) in independent study in each academic session. Faculty of Arts students should see the Faculty of Arts section of the Undergraduate Programs Calendar for regulations on "Independent Reading Courses". Some independent study topics may not be eligible for science (SC) credit.

Cross-listed to: AK/PSYC 4890 6.00 and AS/PSYC 4890 6.00 and SC/PSYC 4890 6.00

AK/AS/SC/PSYC 4890A 3.00 Independent Study. Students may arrange to do independent study with members of the Psychology Department. This allows students and professors to work in areas of psychology that lie outside the usual course offerings. Contact the undergraduate office for details. Prerequisites: General prerequisites. Note: Students wishing a half course register in AK/AS/SC/PSYC 4890 3.00. Students may take one full course (or two half courses) in independent study in each academic session. Faculty of Arts students should see the Faculty of Arts section of the Undergraduate Programs Calendar for regulations on "Independent Reading Courses". Some independent study topics may not be eligible for science (SC) credit.

Cross-listed to: AK/PSYC 4890A 3.00 and AS/PSYC 4890A 3.00 and SC/PSYC 4890A 3.00

AK/AS/SC/PSYC 4890A 6.00 Independent Study. Students may arrange to do independent study with members of the Psychology

Department. This allows students and professors to work in areas of psychology that lie outside the usual course offerings. Contact the undergraduate office for details. Prerequisites: General prerequisites. Note: Students wishing a half course register in AK/AS/SC/PSYC 4890 3.00. Students may take one full course (or two half courses) in independent study in each academic session. Faculty of Arts students should see the Faculty of Arts section of the Undergraduate Programs Calendar for regulations on "Independent Reading Courses". Some independent study topics may not be eligible for science (SC) credit.

Cross-listed to: AK/PSYC 4890A 6.00 and AS/PSYC 4890A 6.00 and SC/PSYC 4890A 6.00

Public Policy and Administration – Arts

Program Office:

S672 Ross Building, 416-736-5265

Web Address:

<http://www.yorku.ca/pubadmin/>

Program Coordinator:

A. Porter, Political Science

Affiliated Faculty:

G. Albo, Political Science; I. Bakker, Political Science; R. Bazowski, Political Science; R. Drummond, Political Science; C.I. Greene, Political Science; R. MacDermid, Political Science; J. Newton, Political Science; A. Porter, Political Science; M. Thomas, Political Science

The Specialized Honours BA Program in Public Policy and Administration provides students with a broad and liberal education while focusing on the skills required for public sector employment. In addition, many graduates of the program have gone on to graduate school or law school, or have found private sector employment in areas dealing with government. The program consists of courses such as public law, economics, public administration and quantitative methods in policy analysis (statistics and research design). As the Public Policy and Administration Program has many specific course requirements, students are strongly advised to plan their course of study in advance.

For specific program requirements and the list of program courses, please consult the Faculty of Arts Programs of Study section of this Calendar.

Religious Studies – Arts, Atkinson

Arts:

Program Office:

210 Vanier College, 416-736-5910

Web Address:

<http://www.yorku.ca/human/undergrad/Programs/ReligiousStudies/>

Program Coordinator:

C.S. Ehrlich, Humanities

Affiliated Faculty:

T. Abdullah, History; B.S. Bhogal, Humanities; M. Brown, Humanities/Languages; A. Buturovic, Humanities; R.E. Chace, History/Humanities; C.S. Ehrlich, Humanities; S. Eisen, History; T. Fuse, Social Science; T. Goossen, Humanities; P.T.R. Gray, Atkinson/Humanities; G. Hopton, Atkinson/Humanities; S. Horowitz, Humanities/Languages; D.M. Johnson, Philosophy; E. Kallen, Social Science; E. Lawee, Humanities; B. Lee, Humanities/Women's Studies; B. Lightman, Humanities; M. Lockshin, Humanities/Languages; M.P. Maidman, History; S. Mason, Humanities; J. Nagata, Anthropology; R.S. Schneider, History/Humanities; J.S. Scott, Humanities; J. Stuckey, Humanities; S. Tanenzapf, Humanities; P. Taylor, Humanities; S. Tweyman, Humanities/Philosophy; J. Van Esterik, Anthropology; P. Van Esterik, Anthropology; M. Webber, Humanities/Languages; K. Weiser, Humanities

Religious studies invites students to join in current scholarly efforts to describe and to understand forms of religious experience. One of the master keys to the understanding of human behaviour and thought, religious experience is open to examination from a variety of disciplinary perspectives.

In the core course, students will be introduced to various disciplinary perspectives. Afterwards they may choose to specialize in one tradition – e.g. Judaism, Christianity, Islam, or Eastern religions – or they may continue to take a comparative approach. Students will, however, be expected to acquire breadth both in disciplinary approach and in subject matter.

For specific program requirements and the list of program courses, please consult the Faculty of Arts Programs of Study section of this Calendar.

Atkinson:

Office:

School of Arts and Letters

625 Atkinson Building, Tel: 416-736-5900, Fax: 416-736-5766, e-mail:

aksal@yorku.ca

Coordinators of Religious Studies:

P.T.R. Gray, B.A. Wilson

Assistant Professor:

M. Derayah

Sessional Assistant Professor:

T. Chartrand-Burke

The religious studies program presents students with the opportunity to study the rich and diverse evolution of the Western religious tradition. For the list of courses, please consult the Faculty of Atkinson Program of Study section of this Calendar.

Russian/Russian Studies – Department of Languages, Literatures and Linguistics, Arts

The Department of Languages, Literatures and Linguistics offers degree programs in Russian and Russian Studies. For specific program requirements and the list of program courses, please consult the Faculty of Arts Programs of Study section of this Calendar.

Note: For general regulations and enrolment information please see Languages, Literatures and Linguistics in the Courses of Instruction section of this Calendar.

AS/RU 1000 6.00 Elementary Russian. Basic elements of Russian for beginners. Students receive training in the four skills of listening comprehension, speaking, reading and writing, by means of dialogues, drills and language laboratory sessions. Note: Native and near-native speakers of Russian are ineligible for this course.

Language of Instruction: Russian

AS/RU 2000 6.00 Intermediate Russian. The aim of this course is to develop students' reading skills, oral comprehension and ability to express themselves in Russian both in written and in oral form. Special attention is devoted to a review and further study of grammar, vocabulary building, translation from and into Russian and conversation. Prerequisite: AS/RU 1000 6.00, or Grade 12 U or M Russian (or equivalent) with appropriate score on departmental placement test, or permission of the department. Note: Native and near-native speakers of Russian are ineligible for this course.

Language of Instruction: Russian

AS/RU 2750 6.00 Russian Culture: Continuity and Conflict (in translation). This course examines Russian culture in an historical and social context focusing on Kievan Rus', the rise of Muscovy, the expansion of the Russian Empire and its revolutionary mutation into the Soviet Union, and the post-Soviet contemporary scene. Degree credit exclusion: AS/HUMA 2990D 6.00. Prerequisite: No knowledge of Russian required.

Cross-listed to: AS/HIST 2310 6.00 and AS/HUMA 2750 6.00 and AS/RU 2750 6.00

AS/RU 3000 6.00 Advanced Russian. A systematic review of grammar and an introduction to prose composition and translation. Conversation and discussion will be based on reading materials presenting various aspects of Russian culture. Prerequisite: AS/RU 2000 6.00 or equivalent.

Note: Native and near-native speakers of Russian are ineligible for this course.

Language of Instruction: Russian

AS/RU 3720 3.00 Tolstoy (in translation). Detailed examination of the major fiction of Tolstoy (in translation), with special stress on the novels *War and Peace* and *Anna Karenina*. Degree credit exclusion: AS/EN 3160S 3.00.

Cross-listed to: AS/EN 3720 3.00 and AS/RU 3720 3.00

AS/RU 3730 3.00 Dostoevsky (in translation). Detailed examination of the major fiction of Dostoevsky (in translation), with special stress on the novels *Crime and Punishment*, *The Idiot*, *The Possessed* and *The Brothers Karamozov*. Degree credit exclusion: AS/EN 3160R 3.00.

Cross-listed to: AS/EN 3730 3.00 and AS/RU 3730 3.00

AS/RU 3740 3.00 Chekhov: Plays and Short Stories (in translation). This course analyzes the plays and short stories of the late 19th-century Russian writer Anton Chekhov. Degree credit exclusions: AS/RU 3740 6.00, AS/RU 4740 3.00, AS/RU 4740 6.00. Note: Students taking this course for major or minor credit in Russian are required to complete some course work in Russian.

Cross-listed to: AS/EN 3740 3.00 and AS/RU 3740 3.00

AS/RU 3750 3.00 Petersburg in Russian Literature and Culture (in translation). This course examines the Petersburg theme in Russian literature and culture as expressed in the works of Russian writers of the 19th and early 20th centuries. Degree credit exclusions: AS/RU 3740 6.00, AS/RU 4740 6.00, AS/RU 4750 3.00. Note: Students taking this course for major or minor credit in Russian are required to complete some course work in Russian.

Cross-listed to: AS/EN 3745 3.00 and AS/RU 3750 3.00

AS/RU 3760 3.00 Love and Death in Russian Literature: Pushkin to Gogol (in translation). This course examines early 19th-century Russian literature of the period of Romanticism with special attention to Pushkin, Lermontov and Gogol and their Western European antecedents and contemporaries. Degree credit exclusions: AS/RU 2700 6.00, AS/RU 4760 3.00.

AS/RU 3761 3.00 Aristocrats and Rebels in 19th-Century Russian Literature (in translation). This course examines the Russian realist novel of the mid and late 19th century, including works by Turgenev, Goncharov, Tolstoy and Dostoevsky. The relationship of Russian literature to Western European literature is also considered. Degree credit exclusions: AS/RU 2700 6.00, AS/RU 4761 3.00.

AS/RU 3770 3.00 Russia's Experimental Decade, 1918 - 1928: Poetry and Prose (in translation). This course explores the post-revolutionary experimental poetry and prose of the new Russian, featuring such writers as Gorky, Mayakovsky, Zamiatin, Olesha, Babel and Bulgakov. Degree credit exclusions: AS/RU 3770 6.00, AS/RU 4770 3.00, AS/RU 4770 6.00.

AS/RU 3771 3.00 Modern Russian Literature: 1929 to the Present (in translation). This course explores the rise and fall of Soviet Realism, great works of non-conformist Russian literature, and post-Soviet literature, featuring such writers as Sholokhov, Bulgakov, Pasternak and Solzhenitsyn plus contemporary writers like Pelevin. Degree credit exclusions: AS/RU 3770 6.00, AS/RU 4770 6.00, AS/RU 4771 3.00.

AS/RU 3790 6.00 Russian and East European Film and Culture (in translation). A study of the film masterpieces of the countries of Eastern Europe and the former USSR from silent cinema to the present. The films are examined in their aesthetic and cultural context, thereby introducing students to the culture and society of this area. Degree credit exclusion: AS/HUMA 3990H 6.00. Note: All readings, lectures and written work are in English, with English sub-titles on films.

Cross-listed to: AS/HIST 3382 6.00 and AS/HUMA 3982 6.00 and AS/RU 3790 6.00

AS/RU 4550 3.00 Russian Prose of the 19th Century. A thematic and stylistic analysis of Russian prose works in the original, including

selections from Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, Tolstoy, Chekhov etc. Prerequisite: (or corequisite with permission of the department) AS/RU 4000 6.00 with a minimum grade of C or equivalent.

Language of Instruction: Russian

AS/RU 4560 3.00 Russian Poetry of the 19th Century. A study of themes and techniques of Russian poetry in the original, including works by Pushkin, Lermontov, Tyutchev, Nekrasov, Fet and others. Prerequisite: (or corequisite with permission of the department) AS/RU 3000 6.00 with a minimum grade of C.

Language of Instruction: Russian

AS/RU 4650 3.00 Russian Prose of the 20th Century. A thematic and stylistic analysis of Russian prose works in the original, including selections from such authors as Bely, Sologub, Gorky, Andreev, Bunin, Zamyatin, Babel, Olesha, Leonov, Sholokhov, Bulgakov, Pasternak and Solzhenitsyn. Prerequisite: (or corequisite with permission of the department) AS/RU 4000 6.00 with a minimum grade of C or equivalent.

Language of Instruction: Russian

AS/RU 4660 3.00 Russian Poetry of the 20th Century. A study of themes and techniques of Russian poetry in the original, including works by Blok, Akhmatova, Mandel'shtam, Mayakovsky, Esenin, Tsvetaeva, Pasternak, Brodsky and others. Prerequisite (or corequisite with permission of the department): AS/RU 4000 6.00 with a minimum grade of C or equivalent.

Language of Instruction: Russian

AS/RU 4740 3.00 Chekhov: Plays and Short Stories (in translation). This course analyzes the plays and short stories of the late 19th-century Russian writer Anton Chekhov. Degree credit exclusions: AS/RU 3740 3.00, AS/RU 3740 6.00, AS/RU 4740 6.00. Note: Students taking this course for major or minor credit in Russian are required to complete some course work in Russian.

AS/RU 4750 3.00 Petersburg in Russian Literature and Culture (in translation). This course examines the Petersburg theme in Russian literature and culture as expressed in the works of Russian writers of the 19th and early 20th centuries. Degree credit exclusions: AS/RU 3740 6.00, AS/RU 3750 3.00, AS/RU 4740 6.00. Note: Students taking this course for major or minor credit in Russian are required to complete some course work in Russian.

AS/RU 4760 3.00 Love and Death in Russian Literature: Pushkin to Gogol (in translation). This course examines early 19th-century Russian literature of the period of Romanticism with special attention to Pushkin, Lermontov and Gogol and their Western European antecedents and contemporaries. Degree credit exclusions: AS/RU 2700 6.00, AS/RU 3760 3.00.

AS/RU 4761 3.00 Aristocrats and Rebels in 19th-Century Russian Literature (in translation). This course examines the Russian realist novel of the mid and late 19th century, including works by Turgenev, Goncharov, Tolstoy and Dostoevsky. The relationship of Russian literature to Western European literature is also considered. Degree credit exclusions: AS/RU 2700 6.00, AS/RU 3761 3.00.

AS/RU 4770 3.00 Russia's Experimental Decade, 1918 - 1928: Poetry and Prose (in translation). This course explores the post-revolutionary experimental poetry and prose of the new Russian, featuring such writers as Gorky, Mayakovsky, Zamiatin, Olesha, Babel and Bulgakov. Degree credit exclusions: AS/RU 3770 3.00, AS/RU 3770 6.00, AS/RU 4770 6.00.

AS/RU 4771 3.00 Modern Russian Literature: 1929 to the Present (in translation). This course explores the rise and fall of Soviet Realism, great works of non-conformist Russian literature, and post-Soviet literature, featuring such writers as Sholokhov, Bulgakov, Pasternak and Solzhenitsyn plus contemporary writers like Pelevin. Degree credit exclusions: AS/RU 3770 6.00, AS/RU 3771 3.00, AS/RU 4770 6.00.

Science and Society – Arts

Program Office:

205 Bethune College, 416-736-5164

Web Address:

<http://www.arts.yorku.ca/sands/>

Program Coordinator:

K. Anderson, Humanities

Affiliated Faculty:

K. Anderson, Humanities; S. Bailey, Humanities; M. Fichman, Humanities; E. Hamm, Atkinson/School of Analytic Studies and Information Technology; B. Lightman, Humanities; A. Shteir, Humanities/Women's Studies; J. Steigerwald, Humanities

The Science and Society Program provides students with the opportunity to study the place of modern science and technology in human culture and society from an integrated, critical and interdisciplinary perspective. The program includes courses dealing with the history, philosophy and sociology of the mathematical, physical, biological and social sciences, as well as the social, cultural and intellectual contexts which both shaped and were shaped by thinking in those fields. Themes and areas of concentration include: 1) science, technology and social change; 2) history and philosophy of science, technology and the social sciences; 3) science, technology and humanistic thought; and 4) science, technology and the arts.

The Science and Society Program equips students with a broad interdisciplinary education which prepares them for all types of careers. Graduating students will have the same postgraduate opportunities as those possessing an Honours BA in arts fields – i.e. an opportunity to enter professional schools or graduate programs. Students who graduate from the Science and Society Program will be especially qualified to pursue graduate work in graduate programs in history and philosophy of science, as well as their congruent disciplines. Graduates of this program are well equipped for further studies in law, medicine, education, journalism and environmental policy.

For specific program requirements and the list of program courses, please consult the Faculty of Arts Programs of Study section of this Calendar.

Science and Technology Studies – Atkinson

Office:

School of Analytic Studies and Information Technology
2005 Technology Enhanced Learning Building, Tel: 416-736-5232, Fax: 416-736-5188, e-mail: sasit@yorku.ca

Coordinator of Science and Technology Studies:

E. Hamm

Associate Professors Emeriti:

L.M. Bianchi, W.L. Hine

Assistant Professor:

E. Hamm

Special Assistant Professor:

R. Dyer

AK/STS 1010 6.00 Introduction to Science and Technology Studies.

Introduces some of the major themes, theories and approaches in the history, philosophy and social studies of science and technology. Research methods, sources and their interpretation and presentation of arguments is emphasized. Prerequisite: A 1000-level natural science course. Note: AK/STS 1010 6.00 is a required course for science and technology studies and general science majors. These majors may not take this course to satisfy their general education natural science requirement.

AK/STS 2010 6.00 History of Modern Science. Explores some of the central issues and theories in the history of the physical and life sciences since the Renaissance. The focus is on the institutional trends and changing conceptual frameworks as they related to larger societal change. Prerequisites: Completion of humanities, social science and either mathematics or modes of reasoning at the 1000 6.00 level. Note: AK/STS 2010 6.00 is a required course for science and technology studies and

general science majors. These majors may not take this course to satisfy their general education natural science requirement.

Cross-listed to: AK/HIST 2120 6.00 and AK/STS 2010 6.00

AK/STS 2700 3.00 Technology, Experts and Society. A critical examination of the introduction and adoption of new technologies and the rise of expert knowledge. Specific historical examples of modern technologies will be considered in order to explore the relationship between society and technology. Prerequisites: Completion of humanities, social science and either mathematics or modes of reasoning at the 1000 level.

AK/STS 3500 3.00 The Global Information Society. A critical, methodological examination of local to national to global infrastructures, and their intended transformation into a global information society. The role of ideology, market interests and public policy as exemplified in the issues of interoperability, privacy and trust, intellectual property rights, forms of access. Prerequisite: Completion of humanities, social science and either mathematics or modes of reasoning at the 1000 6.00 level.

AK/STS 3520 3.00 Intelligence and AI. Introductory survey of theories about human, animal, artificial and computational intelligence. Topics include: strong and weak AI, case-based reasoning, data mining, evolutionary computation, expert systems, fuzzy logic, global optimization, machine translation, neural networks, non-linear planning, validation and verification.

AK/STS 3700 6.00 History of Technology. History of technology with emphasis on the period from the first Industrial Revolution to the present. Topics include: the nature of technology; technology and social change; the place of technology in the exercise of Western economic, political and cultural influences on the world. Note: Not open to students who have taken AK/STS 3700A 6.00.

AK/STS 3710 3.00 History of Computing and Information Technology. The modern computer has a rich history which started long before the 20th century, and which brings out our deeply rooted propensity to quantify, manipulate and communicate the abstract and symbolic objects we have distilled from experience. This course examines the history of computing and information technology in their social and cultural contexts. Note: Not open to students who have taken AK/STS 3700B 3.00, AK/STS 3700B 6.00 or AK/STS 3710 6.00.

AK/STS 3710 6.00 History of Computing and Information Technology. The modern computer has a rich history which started long before the 20th century, and which brings out our deeply rooted propensity to quantify, manipulate and communicate the abstract and symbolic objects we have distilled from experience. This course examines the history of computing and information technology in their social and cultural contexts. Note: Not open to students who have taken AK/STS 3700B 3.00, AK/STS 3700B 6.00 or AK/STS 3710 3.00.

Cross-listed to: AK/HIST 3130 6.00 and AK/STS 3710 6.00

AK/STS 3730 6.00 Science, Religion and Ethics. An examination of the development of ideas about the nature of scientific inquiry, the historical relationship of this inquiry to religious beliefs and ethical implications of scientific endeavours. Prerequisite: Completion of humanities, social science and either mathematics or modes of reasoning at the 1000 6.00 level.

AK/STS 3750 6.00 Genetics, Evolution and Society. Focuses on controversies over heredity and evolution, and their historical relations with society, from Darwin to DNA and from "Social Darwinism to Sociobiology." Prerequisite: Completion of humanities, social science and either mathematics or modes of reasoning at the 1000 6.00 level.

AK/STS 3780 6.00 Biomedical Science in Social Context. An examination of social issues in 20th-century biomedical science. Topics may include: reproductive technology, genetic engineering, sex difference research and biomedical industries. Explores creation of biomedical knowledge, development of associated technologies and impact of biomedicine on society. Prerequisites: Completion of humanities, social

science and either mathematics or modes of reasoning at the 1000 6.00 level.

AK/STS 3790 6.00 Science and Technology in Global Redevelopment. A critical examination of science and technology in developing areas of the globe with an emphasis on environmental and health technologies. Themes may include: Indigenous knowledge systems; women and technology; history of science and technology in developing communities; adaptation of technologies to local conditions; demographics of developing communities and the implications for technological applications. Note: Not open to students who have taken AK/STS 3790A 6.00.

AK/STS 4700 3.00 Readings in Global Science. An exploration of various systems of knowledge and their application in global science. Selected technical problems will be used to analyze such applications. Prerequisites: 78 credits and permission of the Science and Technology Studies Program. Note: Students must be accepted by a faculty supervisor before registering for AK/STS 4700 6.00 and must have permission from the Department of Science Studies. The course transaction form for such a course must be submitted with a form obtainable from the Department of Science Studies bearing the signature of the departmental Chair and the supervisor.

AK/STS 4700 6.00 Independent Research in Science and Technology Studies. This course offers the opportunity for students, in consultation with the department and proposed course director(s), to design and pursue a course of individualized study. Prerequisites: 78 credits and permission of the Science and Technology Studies Program. Note: Students must be accepted by a faculty supervisor before registering for AK/STS 4700 6.00 and must have permission from the Department of Science Studies. The course transaction form for such a course must be submitted with a form obtainable from the Department of Science Studies bearing the signature of the departmental Chair and the supervisor. Not open to students who have taken AK/SCST or AK/NATS 4700 6.00.

AK/STS 4720 6.00 Seminar in the Social Studies of Science. Topics in the social aspects of modern science and technology may include communications, institutions, education, organization, science policy and the science-technology interface. Prerequisites: 78 credits and permission of the Science and Technology Studies Program.

Social and Political Thought – Arts

Program Office:

S751 Ross Building, 416-736-5054, ext. 77796

Web Address:

<http://www.arts.yorku.ca/sosc/sopot/>

Program Coordinator:

R. Wellen, Social Science

Affiliated Faculty:

W. Swanson, Political Science/Social Science; R. Wellen, Social Science; E. Winslow, Social Science

The Interdisciplinary Program in Social and Political Thought is concerned with the interdisciplinary study of human community — its nature, history and foreseeable futures. Students can double major or minor in social and political thought and an Honours BA program in the Faculty of Arts. The program is intended for those students whose breadth of focus is such that they would like to view the social and political situation of contemporary societies, both substantively and theoretically, from a plurality of humanistic and social scientific perspectives.

For specific program requirements and the list of program courses, please consult the Faculty of Arts Programs of Study section of this Calendar.

Social Science – Arts, Atkinson, Glendon

Arts:

Division Office:

S748 Ross Building, 416-736-5054

Web Address:

<http://www.arts.yorku.ca/sosc/>

Chair of the Division:

D. Reed

Professors:

V. Agnew, L. Briskin, R. Coombe, J.A. Hellman, E. Isin, S.K. Levine, C. Lipsig-Mumme, B.H. Massam, D. Noble, L. Peake

Associate Professors:

J. Allett, B. Beardwood, A. Bunting, E. Canel, J. Caulfield, M.L. Craven, P. Craven, B. Crow, J.T. Durlak, J. Dwyer, G. Fallis, G. Feldberg, C. Heron, D. Hogarth, J.A. Hutcheson, P. Idahosa, L. Jacobs, J. Kainer, D.A. Kehoe, G. Kellough, K. Kempadoo, L. Lam, J. LLambias-Wolff, P. McDermott, C. Nichols, V. Patroni, I. Rajagopal, D. Reed, P. Roosen-Runge, H. Rosenberg, R. Schlesinger, E. Seaton, A. Sekyi-Otu, P. Stamp, R. Weisman, E. Winslow

Assistant Professors:

P. Antze, M. Davies, K. Dowler, L. Drummond, P. Keall, B. Lowinsky, A. Marquez, J. McMillan, J. McMurty, A. Pratt, F. Quadir, J. Sheptycki, D. Skinner, W. Swanson, J. Van Esterik, R. Wellen, K. White

Professors Emeriti:

C.J. Banfield, H. Flakierski, F.J. Frisken, T. Fuse, J. Gittins, H. Kaplan, A.L. Murray, P. Roazen, A. Siegel, G. Vise

The Division of Social Science offers a wide range of interdisciplinary courses. Many of these courses are offered in conjunction with the interdisciplinary programs which are housed in the division, including African studies, business and society, communication studies, criminology, health and society, international development studies, labour studies, Latin American and Caribbean studies, law and society, social and political thought, South Asian studies and urban studies.

For specific program requirements, please consult the Faculty of Arts Programs of Study section of this Calendar.

Selected 1000- and 2000-level courses offered through the Division of Social Science are a part of the Faculty of Arts foundations program. These courses have a nine-credit value, and as a part of the Faculty of Arts general education requirement, introduce students to interdisciplinary study and emphasize critical thinking, reading and writing skills at the university level. (For purposes of meeting program requirements, all foundations courses will count as six credits towards the major or minor.)

Not all of the courses listed below will necessarily be offered in any given year. For details of courses to be offered, please consult the Division of Social Science supplemental calendar.

Atkinson:

Office:

School of Social Sciences
303 Atkinson Building, Tel: 416-736-5235, Fax: 416-650-3876, e-mail:
ssocials@yorku.ca

Chair of the School:

W. Giles

Undergraduate Program Director:

L. Lyons

Coordinators of Social Sciences:

S. Rahnema, Political Science
L. Visano, Sociology

Professor:

M. Luxton

Professors Emeriti:

D. McCormack Smyth, S. Saul

Associate Professors:

A. Davis, C. Duràn, W. Giles, G. Martell, E. Reiter, L. Wheatcroft

Associate Professors Emeriti:

G.L. Cunningham, G. Hunnius

Assistant Professor:

N. Sharma