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# 31.001 FACULTY OF ARTS AND SCIENCE

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*Structure* The Faculty of Arts and Science, comprised of the former Loyola Faculty of Arts and Science, the former Sir George Williams Faculty of Arts, and the former Sir George Williams Faculty of Science, was brought into being on July 1, 1977. For administrative purposes, the Faculty consists of departments, programs, Centres, Colleges, Institutes, and Schools. The Departments and other units of which the Faculty is comprised are as follows:

<i>Departments</i> Applied Human Sciences Biology Chemistry and Biochemistry Classics, Modern Languages and Linguistics Communication Studies Economics Education English Études françaises Exercise Science Geography, Planning and Environment History Journalism Mathematics and Statistics Philosophy Physics Political Science Psychology Religion	<i>Sociology and Anthropology</i> Theological Studies  <i>Centre</i> Canadian Irish Studies  <i>Colleges</i> Liberal Arts College Loyola International College School of Community and Public Affairs Science College Simone de Beauvoir Institute  <i>Programs</i> Canadian Irish Studies Individually Structured Program Southern Asia Studies Urban Studies Women's Studies
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*Objectives* The Faculty of Arts and Science is committed to responsible and innovative leadership in developing and disseminating knowledge and values and encouraging constructive social criticism. The Faculty achieves these objectives through inclusive and accessible academic programs which stress a broad-based, interdisciplinary approach to learning. We are dedicated to superior teaching and research supported by excellence in scholarship and creative activity, and a tradition of service to the community. The Faculty of Arts and Science serves many interdependent academic communities in an urban environment where students and faculty can pursue their shared commitment to lifelong learning.

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### Studies in Arts and Science

The Faculty of Arts and Science encourages all students to explore beyond the boundaries of their programs of concentration. This is facilitated by the program structure and graduation requirements of the undergraduate degrees (see §31.002 and 31.003). Undergraduate degrees normally require 90 credits of course work, consisting of at least one program of concentration (Major at 36 to 48 credits; Specialization or Honours at 60 or more credits). The balance of the degree requirements may be made up of one or more Minors (24 to 30 credits), one or more elective groups (15 or 18 credits), or by courses selected from a broad spectrum of disciplines. Students are required to complete at least 24 credits outside the main area of concentration. Credits earned to meet the General Education requirement (see §31.004) may also be counted toward this 24-credit requirement. Most Major programs are relatively short, allowing maximal development of interests outside the area of concentration. Two areas of concentration can be combined in a Double Major. Even longer programs (Specialization and Honours) allow students to diversify their studies for up to one third of their degree requirements. Program structures thus permit students to obtain a judicious balance between concentrated

study and exploration of broader interests. Department and Faculty advisers are available to help students develop a plan of study which accommodates their personal interests and satisfies degree requirements.

Programs of concentration and related Minors are published in the Calendar entries for each of the disciplines in the Faculty (§31.010 onward). To facilitate innovative exploration outside these standard disciplines, the Faculty offers many alternatives. First, the University has established six Colleges (§31.500 onward) which foster various philosophies and methods of education on an intimate scale. Second, it has created Majors which cross disciplinary boundaries (Southern Asia Studies and Women's Studies). In addition, selected students may create their own Individually Structured Program (§31.170) under the direction of the Faculty adviser. Finally, the Faculty offers cross-disciplinary Minors (for example, Canadian Irish Studies, Southern Asia Studies, and Women's Studies) and a number of Interdisciplinary courses (§31.170) which may be chosen as electives in any program.

A good education — balancing the development of expert knowledge in a narrow domain with broader academic experience — can be obtained in the Faculty of Arts and Science. The programs outlined are best considered as models of what can be planned by imaginative students and their academic advisers.

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### 31.002 PROGRAMS AND ADMISSION REQUIREMENTS

General admission requirements are listed in §13.

Specific requirements for admission to the various programs leading to the BA, BEd, and BSc degrees, and to Certificates, are set out in the first column of the following listings. They refer to the table of cégep pre-Arts and pre-Science profiles defined below. Students lacking one or more of these prerequisites may be admitted, but must include the designated prerequisites among the first 30 credits of their undergraduate program. In certain cases, the prerequisites must be taken in addition to the undergraduate program.

Profile	Requirements
0.00	Diploma of Collegial Studies (DEC — Diplôme d'études collégiales).
0.72	DEC or equivalent and appropriate teaching licence.
0.80	Full-time teaching position with an educational institution recognized by the Ministry of Education of Québec (MEQ) and a Provisional Teaching Authorization from the MEQ.
3.14	Biology 301, 401, 911, 921 or 101-NYA.
4.03	Social Science DEC plus Mathematics 300 and Biology 921 (Social Science DEC includes Introductory Psychology).
4.10	DEC in Humanities or equivalent. Any other DEC including courses in Psychology and Quantitative Methods or its equivalent.
5.00	Natural Science DEC.
6.00	<i>DEC intégré en sciences, lettres et arts.</i>
10.1	Mathematics 337 or 103 and 307 or 201-NYA; Biology 301, 401, 911, 921 or 101-NYA; Psychology 101 or 102.
10.5	Two cégep courses or equivalent in the language to be studied. If these courses have not been available in the cégep attended, the student may be required to complete them at the university level.
10.9	Mathematics 103 or 201-NYA and 203 or 201-NYB; Physics 101 or 203-NYA and 201 or 203-NYB and 301 or 203-NYC; Chemistry 101 or 202-NYA and 201 or 202-NYB; Biology 301 or 101-NYA.
10.10	Mathematics 103 or 201-NYA and 203 or 201-NYB and 105 or 201-NYC; Physics 101 or 203-NYA and 201 or 203-NYB and 301 or 203-NYC; Chemistry 101 or 202-NYA and 201 or 202-NYB; Biology 301 or 101-NYA.
10.12	Mathematics 103 or 201-NYA and 203 or 201-NYB and 105 or 201-NYC.
10.13	There are no particular requirements for graduates of an anglophone cégep other than the DEC. Graduates of a francophone cégep must hold a DEC with an advanced course in English or have an equivalent background in English.

music, and scientific thought are represented. Key texts include the *Bible*, Plato's *Republic*, Thucydides' *Peloponnesian Wars*, St. Augustine's *City of God*, and Machiavelli's *Prince and Discourses*.

NOTE: Students who have received credit for LBCL 201, 291, or 292 may not take this course for credit.

**LBCZ 202 Great Books: Western Culture and Expression from Antiquity through the Renaissance**  
(3 credits)

Literature, religion, and philosophy are central, and art and music are represented. Key texts include Homer's *Odyssey*, Virgil's *Aeneid*, Montaigne's *Essays*, and Shakespeare's *King Lear*. NOTE: Students who have received credit for LBCL 202, 291, or 292 may not take this course for credit.

**LBCZ 203 Great Books: Western History and Thought from the Reformation through Modernity**  
(3 credits)

Social and political theory are central, and art, music, and scientific thought are represented. Key texts include Calvin's *Institutes*, Descartes' *Discourses on Method*, Hobbes' *Leviathan*, and Mill's *Essay on Liberty*. NOTE: Students who have received credit for LBCL 203, 291, or 292 may not take this course for credit.

**LBCZ 204 Great Books: Western Culture and Expression from the Reformation through Modernity**  
(3 credits)

Literature, religion, and philosophy are central, and art and music are represented. Key texts include Milton's *Paradise Lost*, Rousseau's *Confessions*, Stendhal's *The Red and the Black*, and Nietzsche's *Genealogy of Morals*. NOTE: Students who have received credit for LBCL 204, 291, or 292 may not take this course for credit.

**MODZ 298A Literature in Translation: German, Italian, Hispanic**  
(3 credits)

This course examines representative literary works of some of the cultures of Western civilization, within their cultural and historical contexts. One geographical area will be offered per year: Germany and other German-speaking cultures, Italy and Italian Canadians, Peninsular Spain, and Spanish America. NOTE: Students who have received credit for this topic under an MODL 298 number may not take this course for credit.

**PHIZ 201 Problems of Philosophy**  
(3 credits)

In this course, students are introduced to philosophical reasoning through the study of important philosophical problems. These include the nature of knowledge and its acquisition; the nature of reality; the self and

one's knowledge of it; the question of the existence of God and the related problem of evil; the question of the foundation of values and the possible relativity of ethics; freedom, determinism, and ethical responsibility; the idea of the good life and how it relates to the fundamental question of the meaning of life. NOTE: Students who have received credit for PHIL 201 may not take this course for credit.

**PHIZ 210 Critical Thinking** (3 credits)

This course is an introduction to argumentation and reasoning. It focuses on the kinds of arguments one is likely to encounter in academic work, in the media, and in philosophical, social, and political debate. The course aims to improve students' ability to advance arguments persuasively and their ability to respond critically to the arguments of others. Students will find the skills they gain in this course useful in virtually every area of study. NOTE: Students who have received credit for PHIL 210 or for this topic under a PHIZ 298 number may not take this course for credit.

**PHIZ 232 Introduction to Ethics**  
(3 credits)

Philosophical discussions of ethics have both practical significance (What should one do?) and theoretical interest (What does it mean to say "That's the right thing to do?"). In this course, students are introduced to some representative approaches to ethical thought and action. General questions about the nature of ethical reasoning are also considered. For example: Are there objective ethical truths or are ethical judgements merely relative to social norms? An effort is made to incorporate those ethical issues which are of specific importance to contemporary society. NOTE: Students who have received credit for PHIL 232 may not take this course for credit.

**PHIZ 233 Applied Ethics: Moral Sensitivity and Human Well-Being** (3 credits)

This course focuses on ethical theory and its application to contemporary issues. The course covers central ethical theories such as virtue ethics (Aristotle), deontology (Kant), and utilitarianism (Mill). It applies these theories to contemporary moral issues such as abortion, consumerism, the use of drugs in the pursuit of happiness, and the rationing of health-care resources. NOTE: Students who have received credit for PHIL 233 or for this topic under a PHIL 298 or PHIZ 298 number may not take this course for credit.

**PHIZ 235 Biomedical Ethics** (3 credits)

Bioethics is an interdisciplinary subject that overlaps areas of medicine, law, and philosophical ethics. This course is primarily concerned with contemporary biomedical debates, many of which are of current social and political significance: euthanasia and physician-assisted suicide, patients' rights, animal experimentation, organ donation and

transplantation, palliative care, abortion, genetic engineering, and new reproductive technologies.  
*NOTE: Students who have received credit for PHIL 235 may not take this course for credit.*

**PHIZ 275 *From Modern to Postmodern: Philosophical Thought and Cultural Critique*** (3 credits)

This course focuses on key developments in modern and postmodern philosophy and their cultural influences. The course provides an introduction to philosophers (such as Kant, Nietzsche, and Foucault) and philosophical movements (such as empiricism, existentialism, and post-structuralism) of the modern era. It also introduces students to the tremendous influence that philosophical theory has had on the arts, on social and political movements, and on virtually every field of study in the humanities and social sciences.

*NOTE: Students who have received credit for this topic under a PHIL 298 or PHIZ 298 number may not take this course for credit.*

**PHIZ 330 *Contemporary Ethical Theory*** (3 credits)

Prerequisite: One introductory course in ethics (PHIL 232, 233, 234, 235; PHIZ 232, 235) or permission of the Department. This course provides an in-depth examination of the foundations of contemporary ethical theories such as deontology, utilitarianism, virtue theory, feminist ethics, and narrative ethics.

*NOTE: Students who have received credit for PHIL 330 may not take this course for credit.*

**THEZ 202 *Introduction to Biblical Studies*** (3 credits)

This course provides a survey of the contents of the Bible, from Genesis to Revelation, and a practical introduction to the skills required to understand biblical texts. Attention is paid to diverse approaches to interpretation which are used in historical, literary, or theological study of the Bible, and also to appropriate strategies for the use of biblical texts in liturgy, homilies, and personal prayer.

*NOTE: Students who have received credit for THEO 201 or 222 may not take this course for credit.*

**THEZ 204 *Introduction to Christian Ethics*** (3 credits)

This course is an introduction to the field of ethics in the context of Christian faith. Christian ethics is presented as an active quest towards understanding and guiding Christian moral living. There is a brief presentation of the historical background to Christian ethics, an exploration of the points of convergence with other religious traditions, as well as the interrelationship between morality and freedom. The course will include a reflection on the problem of evil as a diminishment of persons and societies as well as a section on moral development and moral maturity.

*NOTE: Students who have received credit for THEO 204 or 350 may not take this course for credit.*

**THEZ 233 *Religious Pluralism in a Secular Culture*** (3 credits)

The course focuses on the relationship between religion, pluralism, and secular culture. It deals specifically with the prevalence of pluralism in a society that has neither done away with, nor marginalized, religion. In the context of respect for human rights and freedom of conscience, a new kind of religious identity is emerging which is sensitive to context, procedure, and history. The course considers ways in which this new identity be communicated so that a community is constituted and not divided.

*NOTE: Students who have received credit for THEO 232 or 233 may not take this course for credit.*

**THEZ 298A *Philosophical Foundations of Theology*** (3 credits)

This course is a survey of central concepts and ideas for the study of theology. Various periods and schools of thought in the theology-philosophy interface are examined, beginning with ancient Greek thought and its merger with biblical "ideas", and later exploring the effects of the modern scientific revolution on this interface. The main objectives of this course are to assist students in identifying major currents of thought in theology and the influence of philosophy on those currents.

*NOTE: Students who have received credit for this topic under a THEO 298 number may not take this course for credit.*

## Social Science

**ANTZ 202 *Introduction to Culture*** (3 credits)

An introduction to the anthropological study of culture. The course begins with a consideration of the concepts, models, and methods used by anthropologists. This is followed by an examination of the many ways in which peoples of the world, past and present, have organized the activities, institutions, and belief systems that sustain social life. The course concludes with a discussion of the relevance of cultural anthropology to contemporary issues.

*NOTE: Students who have received credit for ANTH 202 may not take this course for credit.*

**EDUZ 230 *Introduction to Philosophy of Education*** (3 credits)

This course introduces students to the content and form of several major educational theories, and to conceptual and logical procedures of philosophizing about education, with particular reference to teaching and learning.

*NOTE: Students who have received credit for EDUC 230 may not take this course for credit.*

**FFAZ 398J *Art, Science, and Technology from Leonardo da Vinci to Virtual Reality*** (3 credits)

An introduction, for non-Fine Arts students, to the rich historical and contemporary relationships between art, science, and technology. Topics range from the scientific and

engineering drawings of Leonardo, to the influence of scientists such as Isaac Newton on the use of colour in art, the impact of the scientific and industrial revolutions on nineteenth- and twentieth-century aesthetic concerns, Internet- and computer-based art, and the ways today's "new media" artworks deal with controversial issues such as the creation of virtual creatures. This course does not require prior knowledge of the visual arts, science, or technology.

*NOTE: Students who have received credit for ARTH 353 or for this topic under an FFAR 398 number may not take this course for credit.*

**GEOZ 203 Canadian Environmental Issues** (3 credits)

The aim of this course is to develop students' understanding of some of the diverse environmental issues and problems encountered in Canada today. The course takes an interdisciplinary case-study approach integrating ecological, social, political, and ethical perspectives, while also providing a general introduction to current environmental and resource issues in Canada.

*NOTE: Students who have received credit for GEOG 203 may not take this course for credit.*

**GEOZ 204 Global Environmental Issues** (3 credits)

This course provides an introductory-level examination of diverse global environmental issues. An interdisciplinary approach encompassing ecological, social, economic, political, and ethical perspectives is employed to explore each issue in terms of its current status, causes, consequences, stakeholders, and resolution. Case studies are introduced to investigate local-scale manifestations of these global-scale issues.

*NOTE: Students who have received credit for GEOG 204 may not take this course for credit.*

**GEOZ 210 Geography of Global Change** (3 credits)

This course examines global change within the framework of globalization. It focuses mainly on the economic and cultural dimensions of globalization, and also considers some political aspects and broad environmental issues. Globalization is approached as a process associated with the dynamics of a capitalist world-economy, and therefore topics such as economic restructuring, transnational corporations, supranational economic integration, and the relationship between developed and developing countries are given significant attention. The presumed association between the globalization of capital and creation of a "global" world culture is also explored.

*NOTE: Students who have received credit for GEOG 210 or 300 may not take this course for credit.*

**GEOZ 220 The Human Environment: Place, Space, and Identity** (3 credits)

This course introduces the concepts of "place",

"space", and "identity". These concepts were developed by geographers to investigate economic, social, and especially cultural factors that influence the ways we construct and understand our environments. It examines how we construct the meaning of place, the unique identity of places, the contest over identity of place, and claims to rights over place. How these have been affected by migration and globalization are then examined within the context of an already constituted social and geographical unevenness (political, economic, environmental, and cultural).

*NOTE: Students who have received credit for GEOG 220 may not take this course for credit.*

**INSZ 250 Introduction to Library Research Practices** (3 credits)

This course is designed to introduce students to the role of information in society, identifying information needs through the information audit process, and to basic library research practices. Emphasis is placed on a systematic search strategy and the use and evaluation of information tools. Topics such as outlining, bibliographic format, and plagiarism are covered as part of the information research process.

*NOTE: Students who have received credit for EDUC 250, INST 250 or LIBS 250 may not take this course for credit.*

**LINZ 222 Language and Mind: The Chomskyan Program** (3 credits)

This course uses language as a tool to examine the workings of the human mind. It approaches the study of language from the perspective of generative grammar as developed by Noam Chomsky and his collaborators. It deals with patterns of linguistic structure, rather than content or meaning. The goal of this course is to develop an understanding of the field of cognitive science (the study of knowledge and the mind/brain) and determine how linguistics fits in with disciplines like the study of vision, auditory perception and reasoning.

*NOTE: Students who have received credit for LING 222 or for this topic under an LING 398 number may not take this course for credit.*

**LINZ 300 Sociolinguistics** (3 credits)

A study of the beliefs, interrelationships, and values of societal groups as reflected in language.

*NOTE: Students who have received credit for LING 300 may not take this course for credit.*

**POLZ 202 Introduction to Political Science** (3 credits)

This course seeks to develop a broad basis from which to pursue further political inquiry. It offers an introductory examination of basic ideas regarding the state, power, authority, and systems of government. The course examines the diverse approaches to the specific study of political phenomena and provides a fundamental understanding of political concepts.

*NOTE: Students who have received credit for POLI 202 may not take this course for credit.*