

Affiliated University College Courses

Courses offered only at Brescia, Huron and King's are identified. Many non-science courses are also offered at the Affiliated University Colleges. For complete information about Affiliated University College courses, contact the appropriate Registrar.

Main Campus Course Residency Requirements

If you are a Main Campus student, you:

- ▶ cannot enroll in an Affiliated University College course if the same course is also taught on the Main Campus;
- ▶ cannot enroll in more than one course per session at an Affiliated University College.

If you are a part-time student, and are taking only one course, you cannot take the course at an Affiliated University College.

Exceptions

1. Foods and Nutrition students may take more than one Human Ecology course.
2. Continuing Studies Certificate/Diploma programs which require courses that are available only at the Affiliated University Colleges: e.g., Thanatology.
3. In September, you may ask the Dean of your Faculty for special permission that grants you an exception to this regulation.

Equivalent Courses

The following courses are regarded as equivalent for prerequisite standing for senior courses or programs.

- ▶ Anthropology 1020E or 1025F/G and 1026F/G
- ▶ Biology 1001A, 1201A
- ▶ Biology 1002,B 1202B
- ▶ Calculus 1000A/B, 1100A/B, 1500A/B
- ▶ Earth Sciences 1022A/B, 1023A/B, 1070A/B, 1081A/B, 1083F/G
- ▶ English 1020E, 1022E
- ▶ French 1900E, 1910
- ▶ Geography 1100 or any two of 1300A/B, 1400F/G, 1500F/G
- ▶ German 1030 or 1030W/X; and 2200 or 2200W/X

- ▶ History 1401E, 1403E, 1601E, 1701E, 1803E, 1805E, 1810E
- ▶ Philosophy 1100E, 1200
- ▶ Psychology 1000, 1200
- ▶ Sociology 1020, 1021E
- ▶ Spanish 1030 or 1030W/X; and 2200 or 2200W/X

Faculty Abbreviations

A	Arts and Humanities
B	Richard Ivey School of Business
E	Engineering
ED	Education
H	Health Sciences
IMS	Information and Media Studies
L	Law
M	Schulich School of Medicine & Dentistry *
MU	Don Wright Faculty of Music
S	Science
SS	Social Science

**Courses offered by the Schulich School of Medicine & Dentistry may be substituted for courses offered by the Faculty of Science (with the exception of Pathology & Epidemiology and Biostatistics courses completed prior to May 2005).*

Course Numbering

0001-0999	Pre-University level Introductory courses*
1000-1999	Year 1 courses
2000-4999	Senior-level Undergraduate Courses

**These courses are equivalent to pre-university introductory courses and may be counted for credit in the student's record, unless these courses were taken in a preliminary year.*

Glossary

Prerequisite

A course that must be successfully completed prior to registration for credit in the desired course.

Corequisite

A course that must be taken concurrently with (or prior to registration in) the desired course.

Antirequisite

Courses that overlap sufficiently in course content that both cannot be taken for credit.

Essay Courses

Many courses at Western have a significant writing component. To recognize student achievement, a number of such courses have been designated as essay courses and will be identified on the student's record (E essay full course; F/G/Z essay half-course).

Module

A structured set of courses specified by a Department, Faculty or Affiliated University College to fulfill the requirements of an Honors Specialization, Specialization, Major or Minor.

Course Suffixes

No suffix	full course not designated as an essay course
A	first term half course
B	second term half course
A/B	first and/or second term half course
C	January courses in the Faculty of Law (4.0 credit weight)
D	February/March/April (FMA) courses in the Faculty of Law
E	essay full course
F	first term essay half course
G	second term essay half course
F/G	first and/or second term essay half course
H	1.0 accelerated course (8 weeks) in the School of Nursing
J	1.0 accelerated course (6 weeks) in the School of Nursing
K	0.75 course
L	0.5 graduate course offered in summer term (May-August)
Q/R/S/T	quarter courses
U	0.25 course offered in other than regular session
V	0.375 course in the Faculty of Education
W/X	first and/or second term full course (full course offered in one term)
Y	half course offered in other than a regular session
Z	essay half-course offered in other than a regular session

Breadth Requirements

For more information regarding these categories, please see 'First Year Requirements' and 'Breadth Requirements' under 'Graduation Requirements' on pages 4 and 5 of this Calendar (in the Academic Information section).

CATEGORY A

Social Science

Anthropology, Economics, Dimensions of Leadership, First Nations Studies, Geography, History, International Relations, Management and Organizational Studies, Political Science, Psychology, Sociology, Women's Studies.

Interdisciplinary and Multidisciplinary

American Studies, Childhood and Social Institutions, Dance, Education, Family Studies, Health Sciences, Interdisciplinary Studies, Centre for Global Studies, Kinesiology, Linguistics, Media and the Public Interest, Media, Information and Technoculture, Nursing, Rehabilitation Sciences, Social Justice and Peace Studies.*

Various

Business Administration, Foods and Nutrition, Human Ecology, Law, Music, Social Work, Thanatology

CATEGORY B

Arts and Humanities

Classical Studies, Comparative Literature and Culture, Film Studies, Italian Studies, Philosophy, Religious Studies, Speech, Theological Studies, Visual Arts History, Visual Arts Studio, Women's Studies, Writing.**

Languages

Arabic, Chinese, English, French, German, Greek, Hebrew, Hindi, Italian, Japanese, Korean, Latin, Polish, Portuguese, Russian, Spanish

CATEGORY C

Engineering

Chemical and Biochemical Engineering, Civil and Environmental Engineering, Electrical and Computer Engineering, Engineering Science, Green Process Engineering, Mechanical and Materials Engineering, Software Engineering

Medical Science

Anatomy and Cell Biology, Biochemistry, Chemical Biology, Epidemiology and Biostatistics, Medical Biophysics, Medical Sciences, Microbiology and Immunology, Neuroscience, Pathology, Pathology and Toxicology, Pharmacology, Physiology

Science

Actuarial Science, Applied Mathematics, Astronomy, Biology, Calculus, Chemistry, Computer Science, Differential Equations, Earth Sciences, Environmental Science, History of Science, Linear Algebra, Mathematics, Physics, Planetary Science, Statistical Sciences

Various

Communications Sciences and Disorders

**Students who completed Childhood and Family Relations, International and Comparative Studies, and Linguistics prior to September 1, 2007 are permitted to graduate with these courses recognized as Category B.*

*** Writing courses restricted to English as a Second Language students (e.g., Writing 0011F/G, 0012F/G, 0002F/G, 1021F/G, 1022F/G) do not qualify as Category B courses.*

For additional notes and information, please visit the Academic Calendar at www.westerncalendar.uwo.ca.

ACTUARIAL SCIENCE (S)

1021A/B - Introduction to Financial Security Systems

The nature and cause of financial security and insecurity; public, private and employer programs and products to reduce financial insecurity, including social security, individual insurance and annuities along with employee pensions and benefits.

Antirequisite(s): The former Actuarial Science 2421A/B.

3 lecture hours, 0.5 course. (Main)

AMERICAN STUDIES (SS)

1020 - An Introduction to American Studies

This course introduces students to the interdisciplinary study of the history, culture, and politics of the United States. It stresses how the national idea of America has evolved, and how artists, labourers, immigrants, Indigenous peoples, and others, have grappled with the conflicting definition of what it means to be "American."

2 lecture hours, 1 tutorial hour, 1.0 course. (Main)

ANTHROPOLOGY (SS)

1020E - Many Ways of Being Human

Students explore the human experience, past and present, by learning about differences and similarities in societies and cultures across time and space, including how we live, die, communicate, make sense of our lives, and interact with each other and the world around us.

Antirequisite(s): Anthropology 1025F/G, 1026F/G. 3 lecture hours, 1.0 course. (Main)

1025F/G - Introduction to Sociocultural Anthropology

An introduction to the basic concepts used in the anthropological study of non-Western social and cultural institutions that focuses on the unity and diversity of human experience. Topics include: kinship, economics, politics, religion, and the present-day conditions of indigenous societies. The ethnography of various peoples is discussed.

Antirequisite(s): Anthropology 1020E. 3 lecture hours, 0.5 course. (Brescia, Main)

1026F/G - Introduction to Biological Anthropology and Archaeology

An introduction to aspects of biological anthropology and archaeology which help us to understand the place of humankind in nature. Topics to be covered include heredity, human evolution and variability, archaeological method, the development of culture, the domestication of plants and animals, and the rise of civilization and the state.

Antirequisite(s): Anthropology 1020E. 3 lecture hours, 0.5 course. (Brescia, Main)

1027A/B - Introduction to Linguistics

Introduction to basic concepts and methods of modern linguistics. Topics include articulatory and acoustic phonetics, phonology, morphology, syntax and semantics. This course is a prerequisite for subsequent linguistics courses in the Department of Anthropology and/or the Linguistics program.

Antirequisite(s): Linguistics 2288A/B. 3 lecture hours, 0.5 course. (Main)

APPLIED MATHEMATICS (S)

1201A/B - Calculus and Probability with Biological Applications

Applications of integration, integration using

mathematical software packages. Scaling and allometry. Basic probability theory. Fundamentals of linear algebra: vectors, matrices, matrix algebra. Difference and differential equations. Each topic will be illustrated by examples and applications from the biological sciences, such as population growth, predator-prey dynamics, age-structured populations.

Antirequisite(s): The former Mathematics 030, the former Calculus 1201A/B.

Prerequisite(s): One or more of Calculus 1000A/B, 1100A/B, 1500A/B or Mathematics 1225A/B.

3 lecture hours, 1 tutorial hour, 0.5 course. (Main)

1411A/B - Linear Algebra for Engineers

Matrix operations, systems of linear equations, linear spaces and transformations, determinants, eigenvalues and eigenvectors, applications of interest to Engineers including diagonalization of matrices, quadratic forms, orthogonal transformations.

Prerequisite(s): Ontario Secondary School MHF4U or MCV4U, the former Ontario Secondary School MGA4U, the former Mathematics 017a/b, the former Ontario Secondary School MCB4U or Mathematics 0110A/B.

3 lecture hours, 1 tutorial hour, 0.5 course. (Main)

For students in Engineering only.

1413 - Applied Mathematics for Engineers I

The calculus of functions of one and more variables with emphasis on applications in Engineering.

Antirequisite(s): Calculus 1000A/B, 1100A/B, 1301A/B, 1500A/B, 1501A/B, Mathematics 1225A/B, or the former Mathematics 030.

Prerequisite(s): One or more of Ontario Secondary School MHF4U, MCV4U, the former Ontario Secondary School MCB4U or Mathematics 0110A/B.

3 lecture hours, 1 tutorial hour, 1.0 course. (Main)

Applied Mathematics 1413 is a suitable prerequisite for any course which lists Calculus 1000A/B plus Calculus 1501A/B. For students in Engineering only.

ARABIC (A)

1030 - Arabic for Beginners

An introduction to spoken and written Arabic with emphasis on the development of communicative skills. Intended for students with little or no previous knowledge of Arabic. Prepares students for progression directly to Arabic 2250.

Antirequisite(s): Grade 12U Arabic.

4 hours, 1.0 course. (Huron, Main)

ASTRONOMY (S)

1021 - General Astronomy

A general survey of astronomy including: the solar system and its constituents; stars, their basic properties and evolution; systems of stars including clusters, the milky way and other galaxies; the universe, its past, present and future structure; astronomical instruments; topics of current interest including pulsars, quasars, black holes.

3 lecture hours, 1.0 course. (Main)

BIOLOGY (S)

0010 - Biological Systems

In-depth study of the concepts and processes in biological systems. Students will study theory and conduct investigations in the areas of biochemistry, metabolic processes, molecular genetics, homeostasis, and population dynamics. Emphasis will be placed the development of skills and knowledge needed for further study Biology and related fields.

Antirequisite(s): Grade 12U Biology or any university level Biology course.

Prerequisite(s): High School Biology (Grade 11 Advanced Level or equivalent) and registration in

the Preliminary Year programme at Brescia University College.

2 lecture hours, 3 laboratory/tutorial hours, 1.0 course.

(Brescia)

1001A - Biology for Science I

The principles of biology taught using an integrative, question-based approach. Topics include inheritance, evolution and ecology. This course is intended for students registered in the Faculty of Science.

Antirequisite(s): Biology 1201A, Biology 1225, or the former Biology 1222, 1223

Prerequisite(s): Grade 12U (SB14U) Biology or Grade 11U (SB13UA) Biology and permission of the Department. A minimum mark of 80% in Grade 12 U Biology (SB14U) is recommended for students registered in a faculty other than the Faculty of Science.

2 lecture hours, 3 laboratory/tutorial hours. 0.5 course. (Main)

Note: The combination of Biology 1001A and 1002B (with appropriate marks) are the prerequisites for senior Biology courses and admission to modules offered by the Department of Biology and the Basic Medical Science Departments.

1002B - Biology for Science II

The principles of biology taught using an integrative, question-based approach. This course is primarily intended for students enrolled in the Faculty of Science. Topics include enzyme structure/function, membrane structure/function, bioenergetics, photosynthesis, respiration, molecular genetics.

Antirequisite(s): Biology 1202B, Biology 1225, or the former Biology 1222, 1223.

Prerequisite(s): Grade 12U (SB14U) Biology or Grade 11U (SB13UA) Biology and permission of the Department. A minimum mark of 80% in Grade 12U Biology (SB14U) is recommended for students registered in a faculty other than the Faculty of Science.

2 lecture hours, 3 laboratory/tutorial hours. 0.5 course. (Main)

Note: The combination of Biology 1001A and 1002B (with appropriate marks) are the prerequisites for senior Biology courses and admission to modules offered by the Department of Biology and the Basic Medical Science departments.

1201A - General Biology I

This course provides an understanding of fundamental biological concepts with emphasis on function in and relevance to humans. Topics include inheritance, evolution, ecology, behaviour, ecosystem health. This course is not available to students enrolled in the Faculty of Science (students registered in the Faculty of Science should select Biology 1001A).

Antirequisite(s): Biology 1001A, Biology 1225, or the former Biology 1222, 1223.

Prerequisite(s): Grade 12U (SB14U) Biology or Grade 11U (SB13UA) Biology and permission of the Department.

2 lecture hours, 3 laboratory/tutorial hours. 0.5 course. (Main)

Note: The combination of Biology 1201A and 1202B (with the appropriate marks) can be a prerequisite for senior Biology courses and admission to modules offered by the Department of Biology and the Basic Medical Science departments.

1202B - General Biology II

This course provides an understanding of fundamental biological concepts with emphasis on function in and relevance to humans. Topics include molecular genetics, physiology, bioenergetics. This course is not available to students enrolled in the Faculty of Science (students registered in the Faculty of Science should select Biology 1002B).

COURSES OFFERED

Antirequisite(s): Biology 1002B, Biology 1225, or the former Biology 1222, 1223.

Prerequisite(s): Grade 12U (SB14U) Biology or Grade 11U (SB13UA) Biology and permission of the Department.

2 lecture hours, 3 laboratory/tutorial hours. 0.5 course. (Main)

Note: The combination of Biology 1201A and 1202B (with appropriate marks) can be a prerequisite for senior Biology courses and admission to modules offered by the Department of Biology and the Basic Medical Science departments.

1225 - An Introduction to the Biology of Organisms

A study of the whole organism with emphasis on organization, growth, development, integration, reproduction and heredity.

Antirequisite(s): Biology 1001A, 1002B, 1201A, 1202B, the former Biology 1222, 1223.

3 lecture hours, 1.0 course. (Main)

Biology 1225 is not intended to serve as a prerequisite for other Biology courses and will not fulfill the requirements for entry into the Biology modules.

Offered only by Distance Studies.

1229F/G - Biology: The Secrets of Life

This course will provide a broad background of the history and main areas of biology, before embarking on a series of case studies and guest lectures including life in extreme environments, Antarctica, invasive species and extinctions.

3 lecture hours, 0.5 course. (Main)

For non-Science students. May not be taken for credit by students registered in either the Faculty of Science or the Schulich School of Medicine and Dentistry.

1290B - Biology and Microorganisms

The fundamental principles of biology with emphasis on cell function and the role of microorganisms in public health, sanitation, food, and nutrition. Restricted to Food and Nutrition modules or by permission of the Department of Biology.

Prerequisite(s): Grade 12U (SB14U) Biology.

2 lecture hours, 1 tutorial hour, 0.5 course. (Main)

Note: May not be taken for credit by students registered in any modules offered by either the Faculty of Science or the Schulich School of Medicine & Dentistry.

BUSINESS ADMINISTRATION(B)

1220E - Introduction to Business

Business 1220E, offered by the Ivey Business School, gives students from all faculties the opportunity to learn business fundamentals in finance, marketing, operations, organizational behavior and general management. The course is delivered using Ivey's renowned case method, which challenges students to learn by doing, within an active class environment of no more than 85 students. Students explore real business issues, make management decisions, defend their position, and take action. This course will be particularly appealing to those students who want a glimpse of Ivey's unique learning experience.

Antirequisite(s): Business Administration 2295F/G, 2299E, the former Business Administration 1220E, the former Business Administration 2299.

3 lecture hours, 1.0 course. (Brescia, Huron, King's, Main)

CALCULUS (S)

1000A/B - Calculus I

Review of limits and derivatives of exponential, logarithmic and rational functions. Trigonometric functions and their inverses. The derivatives of the trig functions and their inverses. L'Hospital's rules. The definite integral. Fundamental theorem of Calculus. Simple substitution. Applications including areas of regions and volumes of solids of revolution.

Antirequisite(s): Calculus 1100A/B, 1500A/B, Applied Mathematics 1413, the former Mathematics 030.

Prerequisite(s): One or more of Ontario Secondary School MCV4U, Mathematics 0110A/B, or the former Ontario Secondary School MCB4U.

4 lecture hours, 0.5 course. (Brescia, Huron, King's, Main)

1100A/B - Calculus I with Fundamentals

Differential Calculus including limits, continuity, differentiation rules, implicit differentiation, related rates, maxima and minima, differentiation of exponentials and logs, and curve sketching. Derivatives of trig functions and their inverses. L'Hospital's rule. The definite integral. Fundamental theorem of Calculus. Simple substitution. Area of regions and volumes of solids of revolution.

Antirequisite(s): Calculus 1000A/B, 1500A/B, Applied Mathematics 1413, the former Mathematics 030.

Prerequisite(s): One or more of Ontario Secondary School MHF4U, MCV4U, Mathematics 0110A/B, or the former Ontario Secondary School MCB4U.

4 lecture hours, 1 tutorial hour, 0.5 course. (Brescia, Huron, King's Main)

Note: This course is intended for students with no previous experience of Calculus but it is open to those who have taken MCV4U or equivalent and wish to revisit introductory Calculus. It is equivalent to Calculus 1000A/B for prerequisite purposes.

1301A/B - Calculus II

For students requiring the equivalent of a full course in calculus at a less rigorous level than Calculus 1501A/B. Integration by parts, partial fractions, integral tables, geometric series, harmonic series, Taylor series with applications, arc length of parametric and polar curves, first order linear and separable differential equations with applications.

Antirequisite(s): Calculus 1501A/B, Applied Mathematics 1413.

Prerequisite(s): A minimum mark of 55% in one of Calculus 1000A/B, 1100A/B or 1500A/B.

4 lecture hours, 0.5 course. (Brescia, King's, Main)

1500A/B - Calculus I for the Mathematical Sciences

An enriched version of Calculus 1000A/B. Basic set theory and an introduction to mathematical rigour. The precise definition of limit. Derivatives of exponential, logarithmic, rational trigonometric functions. L'Hospital's rule. The definite integral. Fundamental theorem of Calculus. Integration by substitution. Applications.

Antirequisite(s): Calculus 1000A/B, 1100A/B, Applied Mathematics 1413, the former Mathematics 030.

Prerequisite(s): One or more of Ontario secondary school MCV4U, Mathematics 0110A/B or the former Ontario secondary school MCB4U.

1501A/B - Calculus II for Mathematical and Physical Sciences

Students who intend to pursue a degree in Actuarial Science, Applied Mathematics, Astronomy, Mathematics, Physics, or Statistics should take this course. Techniques of integration; The Mean Value Theorem and its consequences; series, Taylor series with applications; parametric and polar curves with applications; first order linear and separable differential equations with applications.

Antirequisite(s): Calculus 1301A/B, Applied Mathematics 1413.

Prerequisite(s): A minimum mark of 60% in one of Calculus 1000A/B, 1100A/B or 1500A/B.

4 lecture hours, 0.5 course. (Brescia, King's, Main)

CHEMISTRY (S)

0010 - Introductory Chemistry

This course is equivalent to Grade 12U Chemistry, studying the nature of scientific activity and the explanation of chemical reactions, modern atomic theory and molecular structure. This course is open only to students in the Preliminary Year.

Antirequisite(s): Grade 12U Chemistry.

Prerequisite(s): High school Chemistry at the advanced level.

2 lecture hours, 3 laboratory/tutorial hours, 1.0 course. (Brescia)

1024A/B - Chemistry for Engineers

This course provides a basic understanding of the following topics: gas laws; chemical equilibrium; acid-base equilibria; thermodynamics and thermochemistry; chemical kinetics; electrochemistry. Restricted to students in Engineering and Geophysics programs.

Antirequisite(s): Chemistry 1100A/B and Chemistry 1200B or the former Chemistry 1050, 1020 or 021, 023, 025.

Prerequisite(s): Grade 12U (SCH4U) Chemistry.

3 lecture hours, 3 laboratory/tutorial hours, 0.5 course. (Main)

1027A/B - Chemistry in the News

This course provides the background knowledge required to make informed decisions about how chemistry is presented to the public through various media. Topics will include environmental concerns, forensic chemistry, sources of energy, the chemistry of drugs. No chemistry background required; intended primarily for students from faculties other than Science

Antirequisite(s): Chemistry 1100A/B and Chemistry 1200B, or Chemistry 1024A/B, or the former Chemistry 1050, 1020 or 021, 023, 025.

2 lecture hours, 1 laboratory/tutorial/demonstration hour, 0.5 course (Main)

1100A/B - Discovering Chemistry I

An introduction and survey of the foundational principles and reactions in chemistry, highlighting their broader relevance and applicability in modern science. Topics may include: properties of the elements, chemical bonding, thermochemistry and thermodynamics and aspects of inorganic chemistry.

Antirequisite(s): Chemistry 1024A/B or the former Chemistry 1050, 1020, 023.

Prerequisite(s): Grade 12U (SCH4U) Chemistry or Grade 11U (SCH3U) Chemistry and permission of the department.

3 lecture hours, 3 laboratory/tutorial hours, 0.5 course (Main)

1200B - Discovering Chemistry II

A continued examination and survey of the principles and reactions in chemistry, highlighting their broader relevance and applicability in science. Topics may include: structure and bonding in organic chemistry, transition metal chemistry, chemical equilibria, reaction kinetics and redox processes.

Antirequisite(s): Chemistry 1024A/B or the former Chemistry 1050, 1020, 023.

Prerequisite(s): Chemistry 1100A/B.

3 lecture hours, 3 laboratory/tutorial hours, 0.5 course (Main)

CHILDHOOD AND SOCIAL INSTITUTIONS

1020 - Introduction to Childhood and Social Institutions

An overview of the study of childhood in

contemporary humanistic and social scientific disciplines. The course focuses on the concept of childhood as it is socially, historically, and culturally constructed. Emphasis is given to understanding children's perspectives, the discursive and structural position of childhood in modern culture and social institutions.

3 lecture hours, 1.0 course. **(King's)**

CHINESE

1150 - Beginners' Chinese 1

An introduction to oral and written standard Chinese for students with no previous knowledge of the language and no previous exposure to Chinese culture. Students will learn approximately 400 characters, 40 sentence structures, basic grammar, and will be able to write short passages and conduct brief, informal dialogues. The pinyin romanization system will be introduced. Prepares students for progression to Chinese 2250.

Antirequisite(s): Chinese 1151, 1152A/B, 1153A/B, the former Chinese 003, 004, 005a/b, 006a/b, the former ICS 007, Grade 12U Chinese or equivalent.

Prerequisite(s): Permission of the department.
4 hours, 1.0 course. **(Huron)**

1151 - Chinese 1

An introduction to oral and written standard Chinese for students with no previous knowledge of the language. Students will learn approximately 400 characters, 40 sentence structures, basic grammar, and will be able to write short passages and conduct brief, informal dialogues. The pinyin romanization system will be introduced. Prepare students for progression to Chinese 2251.

Antirequisite(s): Chinese 1150, 1152A/B, 1153A/B, the former Chinese 003, 004, 005a/b, 006a/b; Grade 12U Chinese or equivalent.

Prerequisite(s): Permission of the department.
4 hours, 1.0 course. **(Huron)**

1152A/B - Chinese 1

An introduction to oral and written standard Chinese for students with no previous knowledge of the language. In the sequence of Chinese 1152A/B and 1153A/B, students will learn approximately 400 characters, 40 sentence structures, basic grammar, and will be able to write short passages and conduct brief, informal dialogues. The pinyin romanization system will be introduced. Prepares students for progression to Chinese 1153A/B.

Antirequisite(s): Chinese 1150, 1151, the former Chinese 003, 004, 005a/b, 006a/b; Grade 12U Chinese or equivalent.

Prerequisite(s): Permission of the department.
4 hours, 0.5 course. **(Huron)**

1153A/B - Chinese 1

An introduction to oral and written standard Chinese for students with no previous knowledge of the language. In the sequence of Chinese 1152A/B and 1153A/B, students will learn approximately 400 characters, 40 sentence structures, basic grammar, and will be able to write short passages and conduct brief, informal dialogues. The pinyin romanization system will be introduced. Prepares students for progression to Chinese 2251.

Antirequisite(s): Chinese 1150, 1151, the former Chinese 003, 004, 005a/b, 006a/b; Grade 12U Chinese or equivalent.

Prerequisite(s): Chinese 1152A/B or permission of the department.
4 hours, 0.5 course. **(Huron)**

1650F/G - Perspectives on China

An examination of China as it emerges in the era of globalization. Contents include territory, people, society, language, science and technology,

development and sustainability. Analysis of dominant and diverse realities will provide an essential basis for an appreciation of continuity and change in China. Students will learn how to access major sources of information and critically to evaluate perspectives and debates. Taught in English.

3 hours, 0.5 course. **(Huron)**

CLASSICAL STUDIES (A)

1000 - Classical Civilization

An introduction to the ancient world, with emphasis on the cultural and social life and achievements of Greece and Rome. Among the topics to be considered are: magic, religion, philosophy, literature, archaeology, architecture, art, the structure of society and the position of women, slavery, everyday life, law, sport, warfare, medicine.

3 lecture hours, 1.0 course **(Main)**

COMPARATIVE LITERATURE AND CULTURE (A)

1020 - From Homer to Picasso: Western Culture Across the Ages

A multi-media overview of the major writers, artists, thinkers, and composers that have shaped Western culture from ancient times to the twenty-first century. Figures studied include Homer, Dante, Michelangelo, Cervantes, Goethe, Dostoevsky, Picasso, Kafka, Borges.

2 lecture hours, 1 tutorial hour, 1.0 course. **(Main)**

1023 - Sex and Culture

Drawing on literature, philosophy, art, and cinema, this introductory course will explore fundamental questions about human sexuality (e.g. What is the origin of sex?). Major works of the erotic imagination will be studied in relation to the cultures represented in them.

3 lecture hours, 1.0 course. **(Main)**

COMPUTER SCIENCE (S)

1011A/B - The Internet: Behind the Curtain

The technological successes that have led to the Internet's wide adoption for work and social purposes. The ways in which computer technology has led to more compact representation of data, and faster, more reliable and more secure communication. Intended primarily for students not in Computer Science.

Antirequisite(s): Computer Science 2210A/B.
3 lecture hours, 0.5 course. **(Main)**

1025A/B - Computer Science Fundamentals I

The nature of Computer Science as a discipline; the design and analysis of algorithms and their implementation as modular, reliable, well-documented programs written in an object-oriented language (Java). Intended for students with significant programming experience in at least one high-level block-structured or object-oriented language.

Antirequisite(s): Computer Science 1026A/B, Engineering Science 1036A/B, the former Computer Science 036a/b.

3 lecture hours, 0.5 course. **(Main)**

1026A/B - Computer Science Fundamentals I

The nature of Computer Science as a discipline; the design and analysis of algorithms and their implementation as modular, reliable, well-documented programs written in an object-oriented language (Java). Intended for students with little or no background in programming.

Antirequisite(s): Computer Science 1025A/B, Engineering Science 1036A/B, the former Computer Science 036a/b.

3 lecture hours, 2 laboratory/tutorial hours, 0.5 course. **(Main)**

1027A/B - Computer Science Fundamentals II

A continuation for both Computer Science 1025A/B and Computer Science 1026A/B. Data organization and manipulation; abstract data types and their implementations in an object-oriented setting (Java); lists, stacks, queues, trees; pointers; recursion; file handling and storage.

Antirequisite(s): Computer Science 1037A/B.

Prerequisite(s): Computer Science 1025A/B or 1026A/B.

3 lecture hours, 1 laboratory/tutorial hour, 0.5 course. **(Main)**

1032A/B - Information Systems and Design

Techniques used for determining technological needs of businesses; building and managing systems to meet those needs; development roles of individuals and organizations; planning and management of concepts, personnel and processes; related software tools (spreadsheets, databases). Intended primarily for Management and Organizational Studies students.

Antirequisite(s): Management and Organizational Studies 1033A/B, the former Computer Science 031a/b.

3 lecture hours, 0.5 course. **(Main)**

1033A/B - Multimedia and Communication I

This course explores the use of different types of media (e.g., text, images, sound, animation) to convey ideas and facilitate interaction. Topics include the design and use of a range of software tools for media creation and editing, covering image, sound, animation and video. This knowledge will be applied to authoring web sites.

2 lecture hours, 2 laboratory/tutorial hours, 0.5 course. **(Main)**

1037A/B - Computer Science Fundamentals II

A continuation for Engineering Science 1036A/B and the former Computer Science 036a/b. Data organization and manipulation; abstract data types and their implementations in an object-oriented setting (C++); lists, stacks, queues, trees; pointers; recursion; file handling and storage. Intended for students in the Faculty of Engineering.

Antirequisite(s): Computer Science 1027A/B.

Prerequisite(s): Engineering Science 1036A/B or the former Computer Science 036a/b.

3 lecture hours, 2 laboratory/tutorial hour, 0.5 course. **(Main)**

DIMENSIONS OF LEADERSHIP

1031 - Exploring Leadership

An interdisciplinary course providing students with an introduction to the concept and history of leadership. Students will examine the philosophical, psychological and theoretical perspectives on leadership through readings, engagement with representative leaders, and experiential simulations and activities.

Antirequisite(s): The former Interdisciplinary Studies 1031.

3 lecture hours, 1.0 course. **(Brescia)**

EARTH SCIENCES (S)

1022A/B - Earth Rocks!

What our planet is made of, how it works, and how it affects us. Framed on the interactions of the lithosphere, hydrosphere, atmosphere and biosphere. Specific topics include: geological time and earth history; formation of rocks and minerals; rock deformation; volcanoes and earthquakes; plate tectonics and mountain building; natural resources. **Antirequisite(s):** Earth Sciences 1070A/B, 1081A/B 2 lecture hours, 2 laboratory hours, 1 tutorial hour, 0.5 course. (Main)

1023A/B - Planet Earth: Shaken and Stirred

An overview of the origin and development of Earth and solar system; constitution and active processes of Earth interior; how these processes have shaped Earth evolution in the past and how they continue to control surface phenomena such as earthquake and volcanic activity. Labs will introduce the main resource exploration techniques.

Antirequisite(s): Earth Sciences 2123A/B, the former Earth Sciences 085a/b. 2 lecture hours, 3 laboratory hours, 0.5 course. (Main)

1070A/B - Introduction to the Geology and Resources of Earth

An introduction to geology covering rock forming minerals and rock forming processes: Emphasis will be placed on how mineral and hydrocarbon resources develop. A survey of the geological record is carried out to illustrate how resources are classified and distributed through time.

Antirequisite(s): Earth Sciences 1022A/B, 1081A/B Only available online, 0.5 course. (Main) *Purchase of Rock and Mineral Kit required.*

1081A/B - Resources, Environment and Sustainability in a Material Society

This course introduces students to the relationship between humans and their geological environment. Emphasis is placed on the evidence for perturbations of Earth's natural environments by humans that impact on our planet's future. Specific topics include utilization of natural resources, waste management, water quality, geological hazards, and global change.

Antirequisite(s): Earth Sciences 1022A/B, 1070A/B 2 lecture hours, 2 laboratory hours, 1 tutorial hour, 0.5 course. (Main)

1083F/G - Life on Planet Earth

Concepts of the development of life on Earth. Darwinian evolution and modern concepts of evolution. Genetics and evolution. Mode and rate of evolution. A survey of the vertebrate fossil record with focus on particular groups, including dinosaurs. Major extinction events in the fossil record. Origin of the geological time scale.

3 lecture hours, 1 tutorial hour, 0.5 course. (Main)

1086F/G - Origin and Geology of the Solar System

Our best perception of the origin of the Universe, the Milky Way Galaxy, and our Solar System, meteorites, asteroids, comets and the formation of planets. The slow growth of Planetary Science reason and analysis of hypotheses. Why and how Earth evolved along a path radically different than the other planets. The equivalent of 3 lecture hours per week. Offered only online (see UWO Distance Studies); 0.5 course (Main)

1088F/G - A Foundation for Medical and Forensic Geology

Practical applications of the Earth Sciences to human welfare. Aspects of origin, natural concentration, and biological intake of earth materials are considered

and the significance of these substances to human health is discussed. Use of earth materials in surgery, treatment of disease and of Earth Science techniques to solve criminal cases are covered. 3 lecture hours, 0.5 course. (Main)

1089F/G Earth, Art and Culture

An examination of Earth materials used in the arts over the history of human culture. Topics include: Earth materials as media in the Visual Arts (pigments, stone and clay); rocks, minerals and fossils as motifs in famous works of art; landscape photography; gemstones and jewelry; earth materials in wine and cuisine, and modern technology. 3 lecture hours, 0.5 course. (Main)

ECONOMICS (SS)

1020 - Introduction to Economics

The problem of scarcity and its implications, choice; opportunity cost, specialization and exchange; supply and demand; economic choices of households and firms; competition and monopoly; resource markets; public policy; income distribution; national income; aggregate supply and aggregate demand; inflation, unemployment and interest rates; money and monetary institutions; balance of payments; and exchange rates. 3 lecture hours, 1.0 course. (Brescia, Huron, King's)

1021A/B - Principles of Microeconomics

The problem of scarcity and its implications, choice; opportunity cost, specialization and exchange; supply and demand; economic choices of households and firms; competition and monopoly; resource markets; public policy; income distribution. **Antirequisite(s):** Economics 1020.

2 lecture hours, 1 tutorial hour, 0.5 course. (Brescia, Huron, King's, Main)

1022A/B - Principles of Macroeconomics

National income; aggregate supply and aggregate demand; inflation, unemployment and interest rates; money and monetary institutions; economic growth; balance of payments; and exchange rates. **Antirequisite(s):** Economics 1020.

Pre- or Corequisite(s): Economics 1021A/B. Students are strongly advised to take Economics 1021A/B before taking Economics 1022A/B. 2 lecture hours, 1 tutorial hour, 0.5 course. (Brescia, Huron, King's, Main)

ENGINEERING SCIENCE (E)

1021A/B - Properties of Materials in Engineering

An introduction to the relationship between the microstructure and engineering properties of metals, ceramics, polymers, semi-conductors and composites.

3 lecture hours, 1 tutorial hour, 0.5 course. (Main)

1022A/B/Y - Engineering Statics

Analysis of forces on structures and machines, including addition and resolution of forces and moments in two and three-dimensions. The application of the principles of equilibrium. Topics: trusses; frames; friction; and centroids. 3 lecture hours, 2 tutorial hours, 0.5 course. (Main)

1036A/B - Programming Fundamentals for Engineers

Designing, implementing and testing computer programs using a modern object-oriented language such as C++ to fulfill given specifications for small problems using sound engineering principles and processes. Awareness of the engineering aspects of the process of constructing a computer program. **Antirequisite(s):** Computer Science 1025A/B,

1026A/B.

3 lecture hours, 2 laboratory hours, 0.5 course. (Main)

1050 - Introductory Engineering Design and Innovation Studio

Introduction to the principles and practices of professional engineering. The design studio fosters innovative thinking, improves problem solving, and provides context. Includes elements of need recognition, conceptualization, prototyping, and engineering design to satisfy commercial specifications. Emphasis on creativity, teamwork, communication and engineering skills necessary to practice in any engineering discipline.

3 lecture hours, 4 laboratory/tutorial hours, 2.0 full year course. (Main)

1150 - Engineering Summer Co-op

Provides Engineering undergraduates with a co-operative education placement in industry providing practical professional learning experience. Students are supervised by a practicing engineer and are required to submit performance evaluations and to write a final report on the work performed.

Prerequisite(s): Completion of first year of the Engineering program, 65% average and a solid academic record.

Non-credit. (Main)

ENGLISH (A)

0010 - Literature and Composition

This course is designed to introduce the student to the study of literature, including poetry, short stories, novels and plays. The course will encourage a critical approach to literature, with special attention to essay writing skills.

Antirequisite(s): Grade 12U.

Prerequisite(s): Grade 11U English (or equivalent). 3 hours, 1.0 course. (Brescia)

1020E - Introduction to English Literatures and Cultures

This course takes you on a journey through the genres, historical periods, and critical approaches to English. In lecture and small group tutorials, you will study major works of poetry, prose, and drama with attention to literary form and cultural contexts. Special emphasis on developing strong analytical and writing skills.

Antirequisite(s): English 1022E, 1035E.

Prerequisite(s): Grade 12U English or permission of the Department. For part time students who have been admitted without the OSSD, this permission will be granted as a matter of course. 3 hours, 1.0 course. (Brescia, Huron, King's, Main)

Note: At the time of printing, the Department of English was making changes to this course title and description. Please see online Academic Calendar at www.calendar.uwo.ca for updated information.

1022E - Advanced Introduction to English Literatures and Cultures

This course provides an enriched survey of the major genres, historical periods, and critical approaches to English for students with a particular interest in literature and culture. In lecture and small group tutorials, you will study poetry, prose, and drama with special emphasis on developing superior analytical and writing skills.

Antirequisite(s): English 1020E, 1035E.

Prerequisite(s): 85% or better in Grade 12U English or permission of the Department. 3 hours, 1.0 course. (Main)

Note: At the time of printing, the Department of English was making changes to this course title and description. Please see online Academic Calendar at www.calendar.uwo.ca for updated information.

1024E - Forms of Fiction: Introduction to Narrative

An introduction to the study of a selection of fiction ranging from the Greek epic to the modern novel, including both short and longer forms; and a variety of fictional modes and narrative techniques. Major authors studied include Homer, Swift, Austen, Dickens, Dostoevsky, and Virginia Woolf.

Antirequisite(s): English 1036E.

Prerequisite(s): Grade 12U English or permission of the Department. For part time students who have been admitted without the OSSD, this permission will be granted as a matter of course.

3 hours, 1.0 course. (Brescia, Huron, King's, Main)

1027F/G - The Storyteller's Art I: Introduction to Narrative

Storytelling defines who we are and our relation to the community, the nation, and the world. This course explores the rich and diverse traditions of storytelling: such as, oral tales, short stories, classic fiction, and graphic novels. Instruction by lecture and tutorials; emphasis on developing strong analytical and writing skills.

Antirequisite(s): English 1024E and 1036E.

Prerequisite(s): Grade 12U English or permission of the Department. For part time students who have been admitted without the OSSD, this permission will be granted as a matter of course.

3 hours, 0.5 course. (Brescia, Huron, King's, Main)

1028F/G - The Storyteller's Art II: Topics in Narrative

This course explores a particular theme, mode, or genre of storytelling. Consult the Department of English for details of current course offerings. Instruction is by lecture and tutorials; emphasis on developing strong analytical and writing skills.

Antirequisite(s): English 1024E and 1036E.

Prerequisite(s): Grade 12U English or permission of the Department. For part time students who have been admitted without the OSSD, this permission will be granted as a matter of course.

3 hours, 0.5 course. (Brescia, Huron, King's, Main)

1035E - Introduction to Literature: Reading, Interpretation, Argument

This course will examine, both formally and historically, the major generic groupings of literature: poetry, fiction, and drama. Its focus will be on the different kinds of reading that these demand. It will develop students' analytical skills through intensive and extensive reading and through writing that employs logical argument and an understanding of basic critical concepts.

Antirequisite(s): English 1020E, 1022E.

Prerequisite(s): Permission of the Department.

3 hours, 1.0 course. (Huron)

1036E - Forms of Narrative: From Epic to Film

An introduction to the study of narrative from the classical epic to contemporary film. Narrative forms such as myth, fable, parable, epic, romance, novel, satire, case-history, short story, and film will be examined in order to understand the distinguishing features of each form, but also the historical development of narrative art.

Antirequisite(s): English 1024E, 1027F/G, 1028F/G.

Prerequisite(s): Permission of the Department.

3 hours, 1.0 course. (Huron)

1901E - King's Foundations in the Humanities

This is the English Literature unit of the King's Foundations in the Humanities, which is supplemented by the study of art and music. It investigates influential works of literature from

ancient to modern times through an interdisciplinary perspective, with special focus on innovations in literary form and cultural contexts

Prerequisite(s): Must be registered in the King's Foundations in the Humanities.

Corequisite(s): History 1901E and Philosophy 1901E. 3 hours, 1.0 course. There may be additional costs associated with field trips. (King's)

ENVIRONMENTAL SCIENCE (S)**1021F/G - Environmental Issues**

The science underlying environmental issues including climate change, waste management, endangered species and spaces, air and water quality, and ecosystem health, is presented and discussed from a variety of perspectives.

Prerequisite(s): Priority will be given to students in their first year at Western.

3 lecture/tutorial hours, 0.5 course. (Huron, Main)

FAMILY STUDIES**1020 - Introduction to Family Studies**

A multi-disciplinary approach to the family as a biological, social, economic, legal and political unit, continually changing and adapting to a variety of pressures. This course provides students with a broad grounding in the family in the current Canadian context, and examines cultural and historical variation.

3 lecture hours, 1.0 course. (Brescia)

FILM STUDIES (A)**1020E - An Introduction to Film**

A broad introduction to the study of films that will teach the basic vocabulary of film studies, provide an overview of the types of film and videos being made, and examine various critical approaches. By considering a variety of texts, students will learn to analyze and discuss film and video.

5 hours including screening, 1.0 course. (King's, Main)

FIRST NATIONS STUDIES (SS)**1020E - Introduction to First Nations Studies**

An interdisciplinary survey of First Nations issues, from academic and community perspectives including indigenous knowledge, historical background, oral history, socio-political context, arts, language and culture. Specific practical examples will be explored by researchers and community members actually engaged in their contemporary documentation and resolution.

2 lecture hours, 1 tutorial hour, 1.0 course. (Main)

FOODS AND NUTRITION**0010 - Introduction to Foods & Nutrition**

An introductory course about foods and nutrition. Students will study nutrient content of food, food safety, and learn to apply nutrition recommendations throughout the life cycle. Emphasis will be placed on using credible resources of nutrition information.

Antirequisite(s): Grade 12U Nutrition in Perspective (HFA 4U) or any university level basic Nutrition course.

Prerequisite(s): High School Biology (Grade 11 Advanced Level or equivalent) and registration in the Preliminary Year Program at Brescia University College. (Brescia)

1021 - Nutrition for Modern Living

A survey of human nutritional needs including

nutrient requirements, nutrient functions and sources of nutrients in foods. Maternal and infant nutrition, food additives, food legislation, world food problems, and other current topics.

Antirequisite(s): Foods and Nutrition 2121.

3 lecture/tutorial hours, 1.0 course. (Brescia)
Note: Background in Biology and Chemistry at Grade 11 or higher is strongly recommended. May not be used as credit for Foods and Nutrition or BSc Family Studies degree programs.

1030E - Fundamentals of Human Nutrition

An integrative study of the chemical nature, metabolic interactions and physiological roles of nutrients. Includes dietary requirements, sources of nutrients, current issues and concepts, local/global food/nutrition problems and factors affecting them: consumer behavior, agricultural/industrial development, environment/population issues, national policies, and international agreements.

Antirequisite(s): Foods and Nutrition 1021, 2121, the former Foods and Nutrition 025a/b, 235a/b, 341a/b.

Prerequisite(s): Registration limited to students in the Foods and Nutrition programs or by permission of the Department.

3 lecture hours, 1.0 course. (Brescia)

FRENCH (A)**1002 - Intensive French**

Grammar, composition, oral practice. This course is designed for students beginning French, or having a limited knowledge of French. Note that students who have successfully completed Grade 11 French or equivalent cannot take this course for credit.

Antirequisite(s): French 1101, Ontario Grade 11 French (Core, Extended or Immersion) or equivalent.

Prerequisite(s): Permission of Department of French Studies based on French Placement Test.

5 tutorial/laboratory hours, 1.0 course. (Brescia, Huron, King's, Main)

1010 - Intermediate French

Grammar review, composition, translation, oral practice. (One hour per week in the language laboratory may be required.) Note that students who have successfully completed Grade 12 French or equivalent cannot take this course for credit.

Antirequisite(s): French 1101, Ontario Grade 12 French (Core, Extended or Immersion) or equivalent.

Prerequisite(s): Ontario Grade 11 French (Core, Extended or Immersion) or equivalent, French 1002 or permission of the Department of French Studies.

3 or 4 tutorial hours, 1.0 course. (Brescia, Huron, King's, Main)

Note: Students who have Grade 11 French but have not taken French courses for more than 3 years, or have an average below 75% in Grade 11 French, should consult the Department of French Studies.

1102A/B - Oral French I

Based on a communicative approach, the course aims to provide students with the means of improving their listening and speaking abilities.

Prerequisite(s): Grade 12U French, French 1010 or permission of the Trois-Pistoles Immersion School.

3 lecture/tutorial hours, 0.5 course.
Only offered in Trois-Pistoles Immersion School.

1103A/B - Oral French II

Based on a communicative approach, the course aims to provide students with the means of improving their listening and speaking abilities.

Prerequisite(s): French 1102A/B or permission of the Trois-Pistoles Immersion School.

3 lecture/tutorial hours, 0.5 course.
Only offered in Trois-Pistoles Immersion School.

COURSES OFFERED

1900E - French Language and Literature

This is the basic first-year course in French, providing training in language and literary studies.

Antirequisite(s): French 1910.

Prerequisite(s): Ontario Grade 12 French (Core, Extended or Immersion) or equivalent, or French 1010 or permission of the Department of French Studies.

4 tutorial/laboratory hours, 1.0 course. (Brescia, Huron, King's, Main)

Note: Students who have Grade 12 French but have not taken French courses for more than 3 years, or have an average below 75% in Grade 12 French, should consult the Department of French Studies.

1910 - University French (Level I)

A study of the French language based on cultural, written material and basic grammar problems.

Antirequisite(s): French 1900E.

Prerequisite(s): Ontario Grade 12 French (Core, Extended, Immersion) or equivalent or French 1010 or permission of the Department of French Studies.

4 tutorial/laboratory hours, 1.0 course. (Brescia, Huron, King's, Main)

Note: Students who have Grade 12 French but have not taken French courses for more than 3 years, or have an average below 75% in Grade 12 French, should consult the Department of French Studies.

GEOGRAPHY (SS)

0010 - Geography of Canada

A systematic analysis of the geography of Canada with emphasis on the human aspects. Only for students registered in the Preliminary Year program.

Antirequisite(s): Grade 12 U Geography (or equivalent).

3 hours, 1.0 course. (Brescia)

0012 - Introduction to World Geography

An introduction to the study of world regions including an overview of selected thematic regions (e.g., climate, vegetation) and geographic realms. Basic geographic concepts will be highlighted throughout the course. Only for students registered in the Preliminary Year program.

3 hours, 1.0 course. (Brescia)

1100 - Fundamentals of Geography

A systematic descriptive introduction to the diverse elements of landscape including geomorphic, climatic, and biotic elements, human settlement and land-use patterns; cartographic approaches to the analysis of selected processes of landscape change; an introduction to the synthesis of elements and processes in spatial systems models.

Antirequisite(s): Geography 1300A/B, 1400F/G, or the former Geography 020E.

3 lecture hours, 1.0 course. (Brescia, King's, Main)

1300A/B - Physical Geography

Physical Geography examines the phenomena and processes of the Earth-atmosphere system that underlie human environment interactions and environmental change. Topics include: the atmosphere and fundamentals of weather and climate, water in the environment, Earth surface processes and biogeography.

Antirequisite(s): Geography 1100, 2131A/B, or the former Geography 020E.

2 lecture hours, 2 laboratory hours, 0.5 course. (Main)

1400F/G - People, Places and Landscapes

A systematic study of the patterns and places produced by human activity. Examines the spatial dynamics of social, cultural, economic and political processes and describes the resulting modification of the natural and built environments which create diverse human landscapes.

Antirequisite(s): Geography 1100 or the former

Geography 020E.

2 lecture hours, 2 laboratory hours, 0.5 course. (Main)

1500F/G - Society and Nature

An introduction to the dynamics of environmental change and human-environment relations through time. Using integrative case studies in different biomes (e.g. Amazonia, the Sahel, the Arctic), this course will explore physical processes and change and the role of human economies, and situate these in their broader spatial and temporal contexts.

2 lecture hours, 1 tutorial hour, 0.5 course. (Main)

GERMAN (A)

1030 - German for Beginners

Introduction to oral and written German for students with little or no previous knowledge of the language. Prepares student for direct progression to German 2200 or 2200W/X.

Antirequisite(s): Grade 12U German, German 1036.

4 hours, 1.0 course. (Main)

1030W/X - German for Beginners (Accelerated)

Introduction to oral and written German for students with little or no previous knowledge of the language. Prepares student for direct progression to German 2200 or 2200W/X. This accelerated course requires a very high level of commitment.

Antirequisite(s): Grade 12U German, German 1036.

Prerequisite(s): Permission of the Department.

8 hours, one semester, 1.0 course. (Main)

1036 - Reading German

For students who wish to acquire a reading knowledge of German. The course prepares students to read complex German texts in various fields.

Antirequisite(s): German 1030 or 1030W/X, Grade 12U German.

4 hours, 1.0 course. (Main)

GLOBAL STUDIES, CENTRE FOR (FORMERLY INTERNATIONAL AND COMPARATIVE STUDIES)

1000E - Introduction to Global Studies

An interdisciplinary course designed to introduce the student to the scope and method of global studies. The course focuses on the diversity of an increasingly interdependent world. Topics of transnational significance which highlight contrasts and similarities among the world's societies and cultures will be considered.

3 hours, 1.0 course. (Huron)

1021F/G - Introduction to Problems in Knowing the World

This course explores how our world views are formed in terms of theories and explanations of human history, geography, and identity. Students will consider how knowing the world is caught up with problems in mapping, narration, and cultural interpretation, emphasizing critical analysis of the impacts of European colonialism on modern international divisions.

Antirequisite(s): Centre for Global Studies 1000E.

3 hours, 0.5 course. (Huron)

1022F/G - Introduction to Globalization

This course offers an interdisciplinary introduction to the dominant material and cultural trends under the conditions of economic globalization. Key topics are labour in the global economy, the globalization of the capitalist mode of production, transnational resource flows, responses to inequality and resistance.

Antirequisite(s): Centre for Global Studies 1000E.

3 hours, 0.5 course. (Huron)

1023F/G - Introduction to Global Development

This course is an introduction to the interdisciplinary field of international development studies with the focus on investigating the notion of "poverty". It will examine the roles of development organizations, states and civil society in addressing globally identified development issues through the negotiation of global development agendas.

Antirequisite(s): Centre for Global Studies 1000E, 2001F/G.

3 hours, 0.5 course. (Huron)

GREEK (A)

1000 - Introductory Ancient Greek

An introductory course in Ancient Greek covering the major points of grammar and syntax.

Antirequisite(s): The former Greek 002. Those students with Grade 12U level Ancient Greek must consult the Department before registering for this course

3 hours, 1.0 course. (Main)

HEALTH SCIENCES (H)

1001A/B - Personal Determinants of Health

This course focuses on health and wellness with an emphasis on increasing knowledge and awareness of a wide variety of health-related topics, as well as on improving individual health.

Antirequisite(s): The former Health Sciences 1000 or 021.

3 hours, 0.5 course. (Main)

1002A/B - Social Determinants of Health

This course introduces key social determinants of health, and orients students to viewing health in relation to social factors, equity, and social justice. Students will be introduced to basic terms, concepts, and measurements related to health, public health, population health, and health inequalities.

Antirequisite(s): The former Health Sciences 1000 or 021.

3 hours, 0.5 course. (Main)

HEBREW

1030 - Hebrew 1

An introduction to oral and written modern Hebrew for students with little or no previous knowledge of the language. Prepares students for direct progression to Hebrew 2200 Hebrew 2.

Antirequisite(s): Grade 12 Hebrew, or equivalent level of secondary study.

4 hours, 1.0 course. (Huron)

1040A/B - Introduction to Biblical Hebrew

An introduction to the writing system and grammar of Biblical Hebrew for those with no previous knowledge of the language. Special attention will be paid to the noun, adjective, and participle.

Antirequisite(s): Hebrew 1030 or Grade 4 Hebrew (or Grade 2 in Israel); the former Hebrew 003a/b.

4 hours, 0.5 course. (Huron)

1041A/B - Introduction to Biblical Hebrew II

Continuation of Hebrew 1040A/B. An introduction to the grammar of Biblical Hebrew for those with little previous knowledge of the language. Special attention will be paid to forms of the verb.

Antirequisite(s): Hebrew 1030 or Grade 6 Hebrew (or Grade 3 in Israel); the former Hebrew 004a/b.

Prerequisite(s): Hebrew 1040A/B, the former Hebrew 003a/b, or permission of the Instructor.

4 hours, 0.5 course. (Huron)

HINDI (A)**1010 - Hindi 1**

Introduction to oral and written Hindi for students with little or no previous knowledge of the language. Prepares students for direct progression to Hindi 2010: Hindi 2.

Antirequisite(s): OAC Hindi, or the former International and Comparative Studies 009.
4 hours, 1.0 course. (Huron)

1030 - Hindi for Beginners

Introduction to oral and written Hindi for students with little or no previous knowledge of the language.

Antirequisite(s): Hindi 1010 or Grade 12U Hindi.
4 hours, 1.0 course. (Main)

HISTORY (SS)**0014 - History of Canada and the United States**

A survey of the political and social highlights of North American society from 1600 to the present. Only for students registered in the Preliminary Year program.

Antirequisite(s): Grade 12U (or equivalent) History.
3 hours, 1.0 course. (Brescia)

1201E - Canada: A Survey

Examines Canadian experience from the earliest times to the present. Lectures and tutorials stress varied historical interpretations and divergent opinions concerning Canada's growth.

Antirequisite(s): History 2201E, the former 2207F/G.
3 hours, 1.0 course. (Brescia, Huron, King's)

1203E - Canada's External Relations, 1860-1990

A study of the most important aspects of Canada's diplomatic, commercial and missionary relations with the international community. Besides probing Canada's relations with the Commonwealth and the United States, the course will include analyses of Canada's relations with international organizations and with Europe, Asia, Africa, and Latin America.
3 hours, 1.0 course. (Huron)

1401E - Modern Europe, 1715 to the Present: Conflict and Transformation

Examines central events and themes of modern European history, including: origins and impact of the French and industrial revolutions; Napoleonic wars; liberalism and reaction; socialism; nationalism; women's emancipation movements; imperialism, national rivalries and world wars; the Russian Revolution, Communist rule, and the collapse of the Soviet Union; Nazism; European integration.

3 hours, 1.0 course. (Brescia, Huron, King's, Main)

1403E - Totalitarianism

A survey of the totalitarian phenomenon in history with emphasis on twentieth-century totalitarian systems. The course will examine the similarities and differences of Nazis, Communists, and Italian Fascists, both in theory and in practice and with respect to foreign policy as well as domestic affairs.

Antirequisite(s): History 2145A/B.
3 hours, 1.0 course. (Brescia, Kings)

1601E - Survey of East Asian History

The history of China, Korea and Japan from earliest development until modern times. The course emphasizes that although they are independent nations their histories are intertwined.

2 lecture hours, 1 tutorial hour, 1.0 course. (Huron, King's, Main)

1701E - Comparative History of Canada, the United States and Mexico

An introductory survey of nineteenth and twentieth century Mexican, Canadian, and American history, comparing and contrasting political, economic, and social development. Major themes may include agrarian reform, the roles of women, centralism vs. federalism, the migration of peoples, political leadership, and the problems of poverty.

2 lecture hours, 1 tutorial hour, 1.0 course. (Main)

1801E - Major Issues in World History

Designed to provide a broad historical background and to develop analytical skills, this course examines the major themes and ideas underlying the development of modern societies. Among areas of discussion will be the historical significance of migration patterns, cultures in both the east and the west.

3 hours, 1.0 course. (Huron, King's)

1803E - Introduction to the History of Business and Commerce

Examines the emergence of modern business techniques and structures in Europe from the late Middle Ages to the Industrial Revolution, and the further development of these techniques and structures in Canada.

2 lecture hours, 1 tutorial hour, 1.0 course. (Main)

1805E - Science, Technology and Global History

A survey of global history with a focus on mathematics, science, technology, medicine and environment.

3 lecture hours, 1.0 course. (Main)

1810E - Wars that Changed the World

This course examines four transformational wars in the history of the world in detail, both in lectures and in small discussion groups that will also focus on the development of foundational analytical and writing skills. Topics include the implications and effects of war for civilians, trade, popular culture and technology.

2 lecture hours, 1 seminar hour, 1.0 course. (Main)

1901E - King's Foundations in the Humanities

The History unit of the King's Foundations in the Humanities introduces students to major processes, personalities, and events in the historical development of the modern world and what is described as "the West," while developing and refining students' fundamental skills in historical methodology.

Antirequisite(s): History 1801E.

Prerequisite(s): Must be registered in the King's Foundations in the Humanities.

Corequisite(s): English 1901E and Philosophy 1901E.
3 hours, 1.0 course. There may be additional costs associated with field trips. (King's)

INTERDISCIPLINARY STUDIES**0015 - Success in the University Environment**

This course is designed to provide students who are registered in the Brescia University College Preliminary Year with opportunities to learn new abilities and upgrade skills needed to achieve success in the university environment. Successful completion of Interdisciplinary Studies 0015 is required to pass Preliminary Year at Brescia.

Prerequisite(s): Enrollment in Preliminary Year at Brescia University College.

1.5 hours, No Credit. (Brescia)

1000F/G - Introduction to Global Challenges

An introduction to key world-wide challenges in the areas of politics, economics, culture, and society. Topics may include human rights, international trade, globalization of disease, and environmental issues.

3.0 hours, 0.5 course. (Brescia)

1021E - Inquiry, Interpretation, Rhetoric

An interdisciplinary course for students in the humanities and social sciences. Through intellectually challenging projects focused on texts from multiple fields of inquiry, students will reflect critically on the production of knowledge and will gain substantial exercise and mentorship in interpretation, reading, research, writing, and oral expression.

1.0 course. (Huron)

ITALIAN (A)**1030 - Italian for Beginners**

An introduction to oral and written Italian with emphasis on the development of communicative skills. No previous knowledge of Italian is required.

Antirequisite(s): Grade 12U Italian.
4 hours, 1.0 course. (Main)

1030W/X - Intensive Italian for Beginners (Accelerated)

An introduction to oral and written Italian with emphasis on the development of communicative skills. No previous knowledge of Italian is required. This accelerated course requires a very high level of commitment.

8 hours, one semester, 1.0 course. (Main)

JAPANESE (A)**1036 - Japanese for Beginners**

An intensive introduction to spoken and written Japanese with emphasis on the development of communicative skills. Intended for students with little or no previous knowledge of Japanese. Prepares students for progression to Japanese 2260.

Antirequisite(s): Grade 12U Japanese, Japanese 1050, 1051A/B, 1052A/B, the former Japanese 002, 003a/b, 004a/b, 006, the former ICS 006.

4 hours, 1.0 course. (Main)

1050 - Japanese I

An introduction to spoken and written Japanese with emphasis on the development of communicative skills. Intended for students with little or no previous knowledge of Japanese. Prepares students for progression to Japanese 2250.

Antirequisite(s): Japanese 1036, 1051A/B, 1052A/B, the former Japanese 002, 003a/b, 004a/b, 006, or the former International and Comparative Studies 006.

4 hours, 1.0 course. (Huron)

Those students with Grade 12U Japanese must consult the Department before registering for this course.

1051A/B - Japanese for Beginners (1)

An introduction to spoken and written Japanese with emphasis on the development of communicative skills. Intended for students with little or no previous knowledge of Japanese. Prepares students for progression to Japanese 1052A/B.

Antirequisite(s): Japanese 1036, 1050, the former Japanese 002, 003a/b, 006, the former International and Comparative Studies 006.

4 hours, 0.5 course. (Huron)

Those students with Grade 12U Japanese must consult the Department before registering for this course.

1052A/B - Japanese for Beginners (2)

An introduction to spoken and written Japanese with emphasis on the development of

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communicative skills. Intended for students with little or no previous knowledge of Japanese. Prepares students for progression to Japanese 2250.

Antirequisite(s): Japanese 1036, 1050, the former Japanese 002, 004a/b, 006, the former International and Comparative Studies 006.

Prerequisite(s): Japanese 1051A/B or the former Japanese 003a/b.

4 hours, 0.5 course. (Huron)

Those students with Grade 12U Japanese must consult the Department before registering for this course.

KINESIOLOGY (H)

1080A/B - Introduction to Psycho-motor Behaviour

Fundamental concepts and theories related to movement learning and control will be introduced. The material will address many of the factors that affect the production of motor behaviour. Students will learn about the basis for movement skill and variables that can be used to improve level of skill.

Antirequisite(s): The former Kinesiology 280a/b. 3 lecture hours, 3 laboratory hours biweekly, 0.5 course. (Main)

1088A/B - Introduction to Sport Psychology

An introduction to a wide variety of skills and methods that are available to coaches and athletes to enhance participation, performance and enjoyment in a sporting or physical activity. The course will focus on how individual motivation and behaviour are affected and which skills and methods are used during coaching intervention.

Antirequisite(s): The former Kinesiology 288a/b. 3 lecture hours, 3 laboratory hours biweekly, 0.5 course. (Main)

KOREAN (A)

1030 - Korean for Beginners

An introduction to understanding, speaking, reading, and writing Korean with emphasis on oral skills. Intended for students with little or no previous knowledge of Korean. Prepares students directly for Korean 2200.

Antirequisite(s): Grade 12U Korean, the former Korean 002.

4 hours, 1.0 course. (Main)

LATIN (A)

1000 - Introductory Latin

An introduction course in Latin covering major points of grammar and syntax.

Antirequisite(s): The former Latin 002.

3 lecture hours, 1.0 course. (Main)

Those students with Grade 12U level Latin must consult the Department before registering for this course.

LINGUISTICS

1027A/B - Introduction to Linguistics

See Anthropology 1027A/B

Antirequisite(s): Linguistics 2288A/B. 0.5 course. (Main)

1028A/B - Linguistics: Applications and Extensions

Acquaints students with human language and how it relates to society and to the mind. Topics include applications of linguistics, such as language acquisition, language and law, language disorders, and language variation across time, space and society.

Prerequisite(s): One of: Anthropology 1027A/B, Linguistics 2288A/B, both French 2805A/B and 2806A/B, Spanish 3303A/B, the former French 2800 or permission of Linguistics program.

3 lecture hours, 0.5 course. (Main)

MANAGEMENT AND ORGANIZATIONAL STUDIES (SS)

1020A/B - Introduction to Management and Organizational Studies

A multidisciplinary introduction to Management and Organizational Studies within the Faculty of Social Science.

Prerequisite(s): Enrollment in the BMOS program. 2 lecture hours, 1 tutorial hour, 0.5 course (Brescia, Huron, King's)

1021A/B - Introduction to Management and Organizational Studies I

This course introduces students to the study of management and organizations based on best available evidence. Topics covered may include consumer behavior, human resource management, business processes, intercultural relations, and multinational corporations in a globalized economy. These topics are fundamental to understanding managing people, consumer choice, and global commerce.

Prerequisite(s): Enrollment in BMOS on Main Campus or Music Administrative Studies (MAS) or completion of 3.0 courses.

3 lecture hours, 0.5 course. (Brescia, Main)

1022F/G - Introduction to Aviation

This course is designed as a survey of Commercial Aviation. Topics include: History of Aviation Transportation, Flight Theory and Performance, Aviation Business, Human Factors, Canadian Aerospace, Air Traffic Control, and Aviation Safety.

Prerequisite(s): Enrollment in the Commercial Aviation Management module of BMOS.

3 lecture hours, 0.5 course. (Main)

1023A/B - Introduction to Management and Organizational Studies II

This course provides students with a basic introduction to the fields of accounting and corporate finance. The accounting unit introduces students to basic accounting concepts from financial and managerial accounting. The corporate finance unit explains how financial markets work and how corporate managers use these markets to create and sustain corporate value.

Prerequisite(s): Enrollment in BMOS on Main Campus or Music Administrative Studies (MAS) or completion of 3.0 courses.

3 lecture hours, 0.5 course. (Brescia, Main)

1033A/B - Information Technology in the Commercial Environment

This course covers the skills and information used by business managers to become literate in the Information Technology environment without becoming an expert. Students will understand what current options and issues exist in I.T., the terminology, project management, and will develop specific software skills useful to an efficient manager.

Antirequisite(s): Computer Science 1032A/B, the former Computer Science 031a/b, 119a/b, and all Computer Science courses numbered 2200 or higher.

3 lecture hours, 0.5 course. (King's)

MATHEMATICS (S)

0105A/B - Precalculus Mathematics

Set theory, algebra, functions and relations, trigonometry, logarithms and exponents.

Antirequisite(s): Ontario Secondary School MCV4U, any university level Calculus course.

Prerequisite(s): One or more of Ontario Secondary School MCF3M, MCR3U, or equivalent.

3 hours, 0.5 course.

(Brescia, King's)

0110A/B - Introductory Calculus

Introduction to differential calculus including limits, continuity, definition of derivative, rules for differentiation, implicit differentiation, velocity, acceleration, related rates, maxima and minima, exponential functions, logarithmic functions, differentiation of exponential and logarithmic functions, curve sketching.

Antirequisite(s): Mathematics 1225A/B, Calculus 1000A/B, Calculus 1100A/B, Calculus 1500A/B, Applied Mathematics 1413, the former Mathematics 030.

Prerequisite(s): One or more of Ontario Secondary School MCF3M, MCR3U, or equivalent.

4 lecture hours, 0.5 course. (Brescia, Huron, King's, Main)

1120A/B - Fundamental Concepts in Mathematics

Primarily for students interested in pursuing a degree in one of the mathematical sciences. Logic, set theory, relations, functions and operations, careful study of the integers, discussion of the real and complex numbers, polynomials, and infinite sets.

Antirequisite(s): Mathematics 2155A/B.

Prerequisite(s): One or more of Ontario Secondary School MCF4U, the former Ontario Secondary School MGA4U, Mathematics 1600A/B, the former Linear Algebra 1600A/B, or the former Mathematics 017a/b.

4 lecture hours, 0.5 course. (Main)

1225A/B - Methods of Calculus

Elementary techniques of integration; applications of Calculus such as area, volume, probability; functions of several variables, Lagrange multipliers. This course is intended primarily for students in the Social Sciences, but may meet minimum requirements for some Biological or Basic Medical Sciences modules. It may not be used as a prerequisite for any Calculus course numbered 1300 or above.

Antirequisite(s): Applied Mathematics 1201A/B or the former Calculus 1201A/B, Applied Mathematics 1413, Calculus 1301A/B, 1501A/B, the former Mathematics 030.

Prerequisite(s): One or more of Ontario Secondary School MCV4U, Mathematics 0110A/B, Calculus 1000A/B, 1100A/B, 1500A/B, or the former Ontario Secondary School MCB4U.

3 lecture hours, 0.5 course. (Brescia, Huron, King's, Main)

1228A/B - Methods of Finite Mathematics

Permutations and combinations; probability theory. This course is intended primarily for students in the Social Sciences, but may meet minimum requirements for some Biological or Basic Medical Sciences modules.

Antirequisite(s): Mathematics 2124A/B, 2155A/B, Statistical Sciences 2035, 2141A/B, 2857A/B, the former Mathematics 031, the former Statistical Sciences 2657A.

Prerequisite(s): One or more of Ontario Secondary School MCV4U, MHF4U, MDM4U, Mathematics 0110A/B, 1225A/B, 1229A/B, the former Mathematics 017a/b, the former Ontario Secondary School MGA4U, MCB4U.

3 lecture hours, 0.5 course. (Brescia, Huron, King's, Main)

1229A/B - Methods of Matrix Algebra

Matrix algebra including vectors and matrices, linear equations, determinants. This course is intended primarily for students in the Social Sciences, but may meet minimum requirements for some Biological or Basic Medical Sciences modules.

Antirequisite(s): Applied Mathematics 1411A/B, 2811B, Mathematics 1600A/B, 2120A/B, 2155A/B, 2211A/B, the former Linear Algebra 1600A/B, Mathematics 030, 031, 203b.

Prerequisite(s): One or more of Ontario Secondary School MCF3M, MCR3U, or equivalent. 3 lecture hours, 0.5 course. (Brescia, Huron, King's, Main)

1600A/B - Linear Algebra I

Properties and applications of vectors; matrix algebra; solving systems of linear equations; determinants; vector spaces; orthogonality; eigenvalues and eigenvectors.

Antirequisite(s): Applied Mathematics 1411A/B, 2811B, the former Linear Algebra 1600A/B.

Prerequisite(s): One or more of Ontario Secondary School MCV4U, the former Ontario Secondary School MGA4U, Mathematics 1229A/B, the former Mathematics 017a/b, Calculus 1100A/B, 1500A/B or Calculus 1000A/B taken as a pre- or co-requisite. 3 lecture hours, 1 laboratory hour, 0.5 course. (Brescia, Huron, King's, Main)

MEDIA, INFORMATION AND TECHNOLOGY (IMS)

1200F/G - Media in Society

This course gives students the necessary tools to interpret a range of texts in various contexts. It is an extended practical application of selected forms of cultural analysis to diverse media and ideas. The course surveys the development of our roles as consumers and participants in media, culture and society.

2 lecture hours and 1 tutorial hour, 0.5 course. (Main)

1500F/G - The Matter of Technology

The course provides the technical, cultural, and historical background to inform our cultural ideas, myths, and fears about technology. The focus of the course is current and emergent technologies, focusing on the ways those technologies work along with their technical and cultural implications.

2 lecture hours and 1 tutorial hour, 0.5 course. (Main)

1700F/G - FYI: Information and Its Contexts

This course examines the nature of information in its various social, cultural, intellectual and material contexts. It starts with the history of the book and moves towards a consideration of the contested notions of an "information society." The course is an introduction to critical perspectives on the study of information.

2 lecture hours and 1 tutorial hour, 0.5 course. (Main)

MUSIC (MU)

0601A - Theoretical Studies: Foundations

Review of theory rudiments. Study of melody writing and elementary harmony.

3 hours, half course, no credit. (Main)

0914 - Piano Requirement

Students whose principal instrument is other than piano, organ, or harpsichord must demonstrate keyboard proficiency of at least the Conservatory Grade VI level, either by presentation of a Conservatory certificate, or by passing an equivalent test offered periodically by the Faculty. Satisfaction of this requirement is strongly recommended before entrance, and required for admission to the BMus (Honors) programs. Students needing instruction to meet this requirement must make their own arrangements at their own expense. No credit. (Main)

1102A/B - Listening to Music

A basic course to acquaint students with the materials of music and to give a broad perspective of

the history of music. Through guided listening, the student will be exposed to a wide variety of musical styles.

Antirequisite(s): Music 1140.

3 hours, 0.5 course. (Main)

May be available for credit in BA (Music) programs with permission of the Dean. Open to non-music students.

1122A/B - Fundamentals of Music Theory

A concise introduction to music theory that will develop both practical and intellectual fluency with musical skills and concepts. Not available for credit for music students.

3 hours, 0.5 course. (Main)

1140 - Performance and Survey of Music Literature I

This course is divided into two parts. To obtain credit, both parts must be taken. Performance: Individual lessons arranged by the Faculty of Music. Credit for this course will be determined by the student's progress during the year and by a final performance examination. Survey of Music Literature I: Baroque, Classic and Romantic repertoire. Students will be expected to prepare works for class performance. May be available for credit in BA(Music) programs with permission of the Dean.

Antirequisite(s): Music 1102A/B.

Prerequisite(s): Grade VI level demonstrated by audition. Non music students must contact the Faculty of Music before classes begin to receive audition information. Students will be billed a fee upon registration. (See Fees section of Calendar.) 1.0 course. (Main)

1170A/B - Music in Global Contexts I

A survey of various music cultures of the world, including First Nations musics. This course aims to broaden the musical and socio-cultural perspectives of students as they explore musical systems, ideas, and aesthetics of other cultures. Lecture format, audio and video examples, guest presentations and hands-on experience.

3 hours, 0.5 course. (Main)

1629A/B - Introduction to Composition

Introduction to musical elements and manipulation (pitch, rhythm, intensity, timbre, texture, and form), and appropriate repertoire.

3 hours, 0.5 course. (Main)

1635A/B - General Integrated Musicianship (GIM) I

Development of basic musicianship skills through the practice and application of sight-singing techniques, ear-training procedures, and keyboard harmony exercises. Materials for all components will include scales in all major and minor keys, diatonic chords, fundamental melodic patterns and harmonic progressions, and modulation to closely related keys. In addition, the keyboard harmony component will include elementary exercises in harmonization, figured bass realization, transposition, and score reading using C, F and G clefs.

1 lecture hour (dictation), 1 tutorial hour (sight singing), and 1 laboratory hour (keyboard harmony), 0.5 course. (Main)

1636A/B - General Integrated Musicianship (GIM) II

A continuation of Music 1635A/B.

Prerequisite(s): Music 1635A/B.

1 lecture hour (dictation), 1 tutorial hour (sight singing), and 1 laboratory hour (keyboard harmony), 0.5 course. (Main)

1649A/B - Studies in Theory I

Basic theoretical concepts through writing and analytic assignments. Covered in the course will be

diatonic vocabulary, principles of voice-leading, the concept and practice of tonality, simple modulation, introduction to seventh chords and secondary dominants. Small forms from c.1700 to the early nineteenth century will be analyzed.

Prerequisite(s): Music 0601A or demonstrated competence in theory rudiments, melody writing and elementary harmony.

3 hours, 0.5 course. (Main)

1650A/B - Studies in Theory II

Continuation from Music 1649A/B of basic theoretical concepts through writing and analytic assignments. Introduction of melodic figuration and suspensions, nondominant and secondary dominant seventh chords, and modal mixture. Continuation of the study of small forms.

Prerequisite(s): Music 1649A/B or permission of the Department. 3 hours, 0.5 course. (Main)

1700A/B - Introduction to Performance Practices

A practical approach to performance practices of the late 18th and early 19th centuries and the oral traditions represented in scores. Topics include: phrasing, tempo, ornamentation, expression, gesture. 3 hours, 0.5 course. (Main)

1701A/B - Selected Composer Study

A consideration of the music and times of a selected composer. 3 hours, 0.5 course. (Main)

1710F/G - Music History: Introduction

Consideration of various approaches to studying the history of music: guided listening, writing about music, library resources.

3 hours, 0.5 course. (Main)

1711F/G - Music History: c.900 to c.1600

Survey of the Medieval and Renaissance periods.

Prerequisite(s): Music 1710F/G
0.5 course. (Main)

1800A/B - Introduction to Music Education

Introduction to the foundations and principles of the teaching of music. The nature and value of music education are examined with reference to major issues, methodologies, and approaches to musical learning. Observation of selected music teaching situations. 3 hours, 0.5 course. (Main)

1801A/B - Vocal Methods

The fundamentals of singing, including breath control, tone production, diction, and repertoire are introduced in a group setting. Solo and small ensemble performing assignments are made according to individual vocal need and level of ability. 3 hours, 0.5 course. (Main)

1901 - Orchestra

The rehearsal and performance of orchestral repertoire from the Baroque to the present. Ensembles will include UWO Symphony and UWO Chamber Orchestra. 4 hours plus performances. Meets large ensemble requirement, 0.0 course. (Main)

1902 - Wind Ensemble

The rehearsal and performance of repertoire for winds, brass and percussion. 4 hours plus performances. Meets large ensemble requirement, 0.0 course. (Main)

1903 - Symphonic Band

The rehearsal and performance of repertoire for winds, brass and percussion. 4 hours plus performances. Meets large ensemble requirement, 0.0 course. (Main)

1904 - Jazz Ensemble

The rehearsal and performance of repertoire for jazz

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ensembles.

4 hours plus performances. Meets large ensemble requirement, 0.0 course. (Main)

1905 - Early Music Ensemble

The rehearsal and performance of early music.

Prerequisite(s): Audition and interview.

4 hours plus performances. Meets large ensemble requirement, 0.0 course. (Main)

1906 - Accompanying

Faculty supervised accompanying of (1) two non-Performance majors, or (2) one Performance major, or (3) an approved ensemble, in rehearsals and performances.

4 hours plus performances and juries. Meets large ensemble requirement, 0.0 course. (Main)

1910 - UWO Singers

The rehearsal and performance of repertoire for mixed choir.

4 hours plus performances. Meets large ensemble requirement, 0.0 course. (Main)

1911 - Les Choristas

The rehearsal and performance of repertoire for womens choir.

4 hours plus performances. Meets large ensemble requirement, 0.0 course. (Main)

1912 - St. Cecilia Singers

The rehearsal and performance of repertoire for womens choir.

4 hours plus performances. Meets large ensemble requirement, 0.0 course. (Main)

1913 - Chorale

The rehearsal and performance of repertoire for mixed choir.

4 hours plus performances. Meets large ensemble requirement, 0.0 course. (Main)

1920 - Applied Principal Instrument I

Lessons in the student's principal instrument and participation in performance class. For students registered in a degree program in Music.

1.0 course. (Main)

1925 - Elective Applied Study I

Individual lessons. For students registered in a Faculty other than Music, and for Music students registered in a year in which Applied Music study is not required, or who are eligible for the study of more than one principal instrument.

Prerequisite(s): Audition and permission of the Dean. Non music students must contact the Faculty of Music before classes begin to receive audition information. Students will be billed a fee upon registration. (See Fees section of Calendar.) 1.0 course. (Main)

1953A/B/Y - Introduction to Historical Keyboard: Repertoire, Technique and Performance Practice: 1600-1800

An introduction to the playing techniques, repertoire, and performance practices associated with keyboard music and keyboard instruments from 1600 to 1800.

0.5 course. (Main)

NURSING (H)

1101W - Introduction to Health and Illness

This course provides an introduction to the nursing profession, health, illness and health promotion. These concepts are considered from the perspectives of individuals, families and communities. Students will have opportunity to learn about the nursing process, basic assessment skills, and ways in which nursing practice can

support those with long-term health challenges.

Prerequisite(s): Registration in the Compressed Time Frame BScN Program.

7 hours lecture per week for 8 weeks, 1.0 course. (Main)

1103W - Introduction to Communication in Health Care

This course focuses on the development of effective and caring interpersonal communication skills. Awareness of self as an individual and in a relationship is explored through critical review of the literature, theories and experiences, critical reflection and thoughtful, confident dialogue. Learners will explore contextual and cultural realities, cultural sensitivity and cultural competence in healthcare.

Prerequisite(s): Registration in the Compressed Time Frame BScN Program.

7 hours/week for 8 weeks, 1.0 course. (Main)

1105Y - Introduction to Professional Nursing Practice

This course focuses on concepts and nursing practice skills that will assist students in understanding the role of the nurse, including the nature of professional caring relationships. Students are prepared to engage in basic assessment and care of adult clients experiencing chronic health challenges.

Antirequisite(s): The former Nursing 1102W.

Prerequisite(s): Registration in the Compressed Time Frame BScN Program.

Corequisite(s): Nursing 1101W, Nursing 1103W. 8 weeks seminar/laboratory, 4 hours/week, 0.5 course. (Main)

1106Y - Professional Nursing Practice I

This course offers students the opportunity to apply concepts and professional practice skills acquired in Nursing 1105Y in an agency practice setting. Students will engage in the provision of holistic nursing care to clients with chronic health challenges.

Antirequisite(s): The former Nursing 1102W.

Prerequisite(s): Registration in the Compressed Time Frame BScN Program; a passing grade in Nursing 1105Y.

Corequisite(s): Nursing 1101W, Nursing 1103W. 32 hrs/week x 4 weeks, 0.5 course. (Main)

1120 - Foundations of Professional Nursing

This course provides an introduction to the theoretical, philosophical, and ethical foundations of the nursing profession and nursing practice. The development of the profession, roles of nurses, locations of nursing practice, and essential elements of practice will be examined.

Prerequisite(s): Registration in Year 1 of the Western-Fanshawe Collaborative BScN Program. 3 lecture hours, 1.0 course. (Main)

1130 - Health Promotion & Caring for Self, Colleagues, & Clients

This interactive course develops students' understanding of caring and relational practice as the basis for health promotion in nursing. Nurses' responsibility for health promotion of self, colleagues, and clients is addressed in a variety of contexts.

Antirequisite(s): Nursing 1153.

Prerequisite(s): Registration in Year 1 of the Western-Fanshawe Collaborative BScN Program. 3 lecture hours, 1.0 course. (Main)

1140 - Holistic Health Assessment

This course introduces students to concepts and practice related to holistic health assessment.

Students will collect information from a variety of sources to inform their understanding of clients' health experiences and health promotion needs.

Prerequisite(s): Registration in Year 1 of the Western-Fanshawe Collaborative BScN Program. 2 lecture hours, 2 hours nursing practice, 1.0 course. (Main)

1150A - Introduction to Professional Practice

Praxis seminars, laboratory practice, and community clinical placements comprise this half-course, providing opportunities to learn about the nursing profession, the diversity of nurses' work and scope of practice, health promotion and assessment skills. This course provides opportunities to develop caring, professional relationships and apply knowledge from concurrent courses.

Prerequisite(s): Registration in the Western-Fanshawe Collaborative BScN Program. 8-10 seminar/lab/clinical practice hours, 0.5 course. (Main)

1151 - Health and Chronic Health Challenges

Introduction to nursing, the profession's historical background and nurse's role in health care. Emphasis is on personal meaning of health, transitions in the life cycle and healthful living practices. The focus is on nursing theories, theories of health promotion, assessment, determinants of health and families' experience with chronic health challenges.

Prerequisite(s): Registration in the Western-Fanshawe Collaborative BScN Program. 3 lecture hours, 1.0 course. (Main)

1152B - Professional Practice 1: Caring for Adults with Chronic Health Challenges

Laboratory practice and clinical placements in long term care facilities provides experience for students to learn about the role of the nurse in the care of clients with chronic health challenges. Term 1 health assessment skills, along with practice experiences in the laboratory allow students to develop professional caring relationships in clinical practice.

Prerequisite(s): Registration in the Western-Fanshawe Collaborative BScN Program. 12 clinical hours, 4 laboratory hours, 0.5 course. (Main)

1153 - Self and Others: Self Awareness and Interpersonal Relationships

This course focuses on understanding intrapersonal and interpersonal experiences. How personal beliefs, values, experiences and perceptions relate to and impact on our experiences with self and others from various cultures is emphasized. The experiential portion of the course will enhance interpersonal communication from the perspective of contextual awareness, decision-making, confidence and performance.

Prerequisite(s): Registration in the Western-Fanshawe Collaborative BScN Program. 3 seminar hours, 1.0 course. (Main)

PHILOSOPHY (A)

1000E - Introduction to Philosophy & Critical Thinking

A survey of philosophical problems, with reference to both classical and contemporary philosophers. Topics include the mind/body problem, the existence of God, perception and matter, freedom and determinism. Basic principles of reasoning and critical thinking will be introduced to enhance the student's ability to evaluate the various forms of reasoning.

Antirequisite(s): Philosophy 1100E, 1200, 1300E.

Prerequisite(s): Registration restricted to Scholar's Elective students.

3 lecture hours, 1 tutorial hour biweekly, 1.0 course. (Brescia)

1020 - Introduction to Philosophy

Through readings, film and other media this course explores debates about knowledge, truth, reality, religion, morality, politics, and the meaning of life. A weekly tutorial hour will help students to develop skills of analysis and expression.

Antirequisite(s): Philosophy 1000E, 1022E, 1100E (Brescia), Philosophy 1250F/G (Huron), Philosophy 1300E, Philosophy 1350F/G (Huron).

2 lecture hours, 1 tutorial hour, 1.0 course. (Main)

1022E - Advanced Introduction to Philosophy

Questions about knowledge and reality, mind and body, morality and justice, truth and beauty, sex and gender, God's existence and attributes, and rationality and philosophical paradoxes are explored in this course designed for students with some acquaintance with philosophy who wish to further develop their analytic and expressive skills.

Antirequisite(s): Philosophy 1000E, 1020, 1100E (Brescia), Philosophy 1250F/G (Huron), Philosophy 1300E, 1350F/G (Huron).

2 lecture hours, 1 tutorial hour, 1.0 course. (Main)

1100E - Philosophy from Antiquity to the 20th Century

A study of selected works by great philosophers from Socrates to the present. Stress will be laid on the systematic unity of the thought of individual philosophers, and on the influence their ideas had on their followers and on the thought of the present day.

Antirequisite(s): Philosophy 1000E (Brescia), Philosophy 1250F/G (Huron), Philosophy 1300E (King's), 1350F/G (Huron).

3 lecture hours, 1.0 course. (Huron, King's, Main)

1130F/G - Big Ideas

Apparently simple conceptions sometimes especially capture our imagination. Examples: Descartes' "I think, therefore I am," McLuhan's "the medium is the message," or Plato's theory of forms. The course examines a great number of these simple ideas that are also the Big Ideas that no educated person should be ignorant of.

3 hours, 0.5 course. (Brescia, Main)

1150E - Introduction to the Western Intellectual Tradition

A multi-media and interdisciplinary historical survey of some of the most important philosophers (e.g. Socrates, Plato, Aristotle, Descartes, Marx, Nietzsche), writers (e.g. Homer, Dante, Goethe, Dostoevsky, Kafka), and artists (da Vinci, Michelangelo, Rembrandt, Dali) that have shaped the course of Western thought and our contemporary world.

2 lecture hours, 1 tutorial hour, 1 screening hour, 1.0 course. (King's)

1200 - Reasoning and Critical Thinking

An introduction to basic principles of reasoning and critical thinking designed to enhance the student's ability to evaluate various forms of reasoning as found in everyday life as well as in academic disciplines. The course will deal with such topics as inductive and deductive reasoning, the nature and function of definitions, types of fallacies, the use and misuse of statistics, and the rudiments of logic. Primarily for first-year students.

Antirequisite(s): Philosophy 1000E (Brescia), Philosophy 1230A/B (Huron).

2 lecture hours, 1 tutorial hour, 1.0 course. (Huron,

Main)

1230A/B - Reasoning and Critical Thinking

An introduction to the basic principles of reasoning and critical thinking designed to enhance the student's ability to evaluate various forms of reasoning found in everyday life as well as in academic disciplines. The course will deal with such topics as inductive and deductive reasoning, the nature and function of definitions, types of fallacies, the use and misuse of statistics, and the rudiments of logic. Primarily for first year students.

Antirequisite(s): Philosophy 1200.

3 lecture hours, 0.5 course. (Brescia, Huron)

1250F/G - Right and Wrong

A survey of selected philosophical problems in the areas of ethics and political/legal philosophy, with reference to works of both classical and contemporary philosophers. Specimen topics include ethical relativism, freedom and determinism, anarchy and government, and the justification of punishment. Primarily for first year students.

Antirequisite(s): Philosophy 1100E, 1300E.

3 hours, 0.5 course. (Huron)

1300E - Introduction to Philosophy

A survey of selected philosophical problems, with reference to both classical and contemporary philosophers. Specimen topics include: the mind/body problem, the existence of God, perception and matter, freedom and determinism. Primarily for first-year students.

Antirequisite(s): Philosophy 1100E

3 hours, 1.0 course. (Brescia, Huron, King's)

1305F/G - Questions of the Day

This course develops students' ability to approach disputed questions by seeing them from both sides, so that they reach their own view only after respecting a broad range of argument. Six questions will be considered, including human (over) population, the public funding of art, and the limits of religious freedom.

3 hours, 0.5 course. (Brescia, King's, Main)

1350F/G - Reality and What We Can Know of It

A survey of selected philosophical problems in the areas of metaphysics and epistemology, with reference to works by both classical and contemporary philosophers. Specimen topics include the mind/body problem, the existence of God, skepticism and truth. Primarily for first year students. 3 hours, 0.5 course (Huron)

1360E - The Great Human Questions We All Ask

An introduction to the great human questions we all ask: Who are we? Why are we? How can we live a good life? Why do we suffer, die, encounter evil? What are sex, love, and friendship? What can we know? What ought we to do? What may we hope for? 3 hours, 1.0 course. (King's)

1361E - Finding Happiness: A Journey Through Philosophy

How do we find happiness in life? Is it through the fulfillment of desire, be it for pleasure, wealth, fame, companionship, knowledge, or union with God? Perhaps, paradoxically, it is by abandoning desire altogether and leading a simple life. This course will explore how philosophy has responded to these issues. 3 hours, 1.0 course. (King's)

1370A/B - Form, Thought, Communication

An introduction to the grammatical structures of two kinds of languages -- the natural ones people learn as first languages, and the artificial ones

that logicians and others have invented to help in reasoning. Topics will include: subject-predicate construction; word classes; complex sentences; negation and its complication; referring, describing, and quantifying; time and tense.

3 hours, 0.5 course. (Huron)

1901E - King's Foundations in the Humanities

The Philosophy unit of the King's Foundations in the Humanities is an interdisciplinary historical survey of some of the most important philosophers (Plato, Aristotle, Descartes, Marx, Nietzsche, Derrida) and artists (da Vinci, Michelangelo, Rembrandt, Dali) that have shaped the course of Western thought and our contemporary world.

Prerequisite(s): Must be registered in the King's Foundations in the Humanities.

Corequisite(s): English 1901E and History 1901E. 3 hours, 1.0 course. There may be additional costs associated with field trips. (King's)

PHYSICS (S)

1021 - Conceptual Physics for Non-Scientists

The concepts of physics are presented without mathematics. The topics include motion, force, mass, energy, momentum, rotational motion, heat, sound, electricity, magnetism, optics, lasers, and relativity. Demonstrations are an important component. This non-laboratory course is particularly suitable for Arts and Humanities and Social Science students.

Antirequisite(s): Physics 1028A/B, 1029A/B, 1301A/B, 1302A/B, 1401A/B, 1402A/B, 1501A/B, 1502A/B, the former Physics 1020, 1024, 1026, Grade 12U Physics (SPH4U) if taken within the three years prior to the start of this course.

2 lecture hours, 1.0 course. (Main)

1028A/B - Physics for the Biological Sciences I

Fundamental physics concepts are introduced with an emphasis on applications in biological processes. Topics include bioenergetics (metabolism and respiration), membranes, electrical properties of molecules and principles of microscopy.

Antirequisite(s): Physics 1021, 1301A/B, 1302A/B, 1401A/B, 1402A/B, 1501A/B, 1502A/B, the former Physics 1020, 1024, 1026.

Prerequisite(s): One of the following four courses: Grade 12U Advanced Functions (MHF4U), the former Grade 12U Advanced Functions and Introductory Calculus (MCB4U), the former Grade 12U Geometry and Discrete Mathematics (MGA4U), Mathematics 0110A/B.

3 lecture hours, 3 lab/tutorial hours, 0.5 course. (Main)

1029A/B - Physics for the Biological Sciences II

Fundamental physics concepts are introduced with an emphasis on applications in biological processes. Topics include: nerve electricity, the eye and color vision, elasticity and sound, the cardiovascular system and biomechanics.

Antirequisite(s): Physics 1021, 1302A/B, 1402A/B, 1502A/B, the former Physics 1020, 1024, 1026.

Prerequisite(s): One of Physics 1028A/B, 1301A/B, 1401A/B or 1501A/B.

3 lecture hours, 3 lab/tutorial hours, 0.5 course. (Main)

1301A/B - Introductory Physics I

A calculus-based laboratory course for students intending to pursue further studies in Science.

Kinematics, force and motion, energy, linear momentum, rotation, torque and angular momentum, gravitation, heat, kinetics of gases.

Antirequisite(s): Physics 1021, 1028A/B, 1401A/B,

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1501A/B, the former Physics 1020, 1024, 1026.

Prerequisite(s): Grade 12U Calculus and Vectors (MCV4U) or the former Grade 12U Advanced Functions and Introductory Calculus (MCB4U) or Mathematics 0110A/B.

3 lecture hours, 3 lab/tutorial hours, 0.5 course. (Main)

Note: The department recommends that students also take a concurrent course that includes Calculus. Please be aware that some of the programs for which Physics 1301A/B is a prerequisite also require Calculus 1000A/B or 1100A/B or 1500A/B plus Calculus 1301A/B or 1501A/B, or Applied Mathematics 1413. This course, together with Physics 1302A/B, is a suitable prerequisite for modules in the Faculty of Science and modules offered by the basic medical science departments, and for professional schools having a Physics requirement.

1302A/B - Introductory Physics II

A calculus-based laboratory course for students intending to pursue further studies in Science. Oscillations, waves, fluids, electric fields and potential, DC circuits, magnetic fields, modern physics.

Antirequisite(s): Physics 1021, 1029A/B, 1402A/B, 1502A/B, the former Physics 1020, 1024, 1026.

Prerequisite(s): One of Physics 1301A/B or 1401A/B or 1501A/B, or a minimum mark of 70% in Physics 1028A/B.

3 lecture hours, 3 lab/tutorial hours, 0.5 course. (Main)

Note: The department recommends that students also take a concurrent course that includes Calculus. Please be aware that some of the programs for which Physics 1302A/B is a prerequisite also require Calculus 1000A/B or 1100A/B or 1500A/B plus Calculus 1301A/B or 1501A/B, or Applied Mathematics 1413. This course, together with Physics 1301A/B, is a suitable prerequisite for modules in the Faculty of Science and modules offered by the basic medical science departments, and for professional schools having a Physics requirement.

1401A/B - Physics for Engineering Students I

A calculus-based laboratory course in physics for engineering students. Kinematics, Newton's laws of motion, work, energy, linear momentum, rotational motion, torque and angular momentum, oscillations.

Antirequisite(s): Physics 1021, 1028A/B, 1301A/B, 1501A/B, the former Physics 1020, 1024, 1026.

Prerequisite(s): Grade 12U Physics (SPH4U); Grade 12U Calculus and Vectors (MCV4U) or the former Grade 12U Advanced Functions and Introductory Calculus (MCB4U) or Mathematics 0110A/B.

Corequisite(s): Applied Mathematics 1413.

2 lecture hours, 3 lab/tutorial hours, 0.5 course. (Main)

1402A/B - Physics for Engineering Students II

A calculus-based laboratory course in physics for engineering students. Electric fields and potential, Gauss' law, capacitance, DC circuits, magnetic fields, electromagnetic induction.

Antirequisite(s): Physics 1021, 1029A/B, 1302A/B, 1502A/B, the former Physics 1020, 1024, 1026.

Prerequisite(s): Physics 1401A/B or permission of the Department.

Corequisite(s): Applied Mathematics 1413.

2 lecture hours, 3 lab/tutorial hours, 0.5 course. (Main)

1501A/B - Enriched Introductory Physics I

A calculus-based laboratory course for students intending to pursue further studies in science, particularly the physical sciences. Newton's laws, energy, linear momentum, rotations and angular momentum, gravitation and planetary motion.

Antirequisite(s): Physics 1021, 1028A/B, 1301A/B, 1401A/B, the former Physics 1020, 1024, 1026.

Prerequisite(s): Grade 12U Physics (SPH4U); Grade 12U Calculus and Vectors (MCV4U) or the former Grade 12U Advanced Functions and Introductory

Calculus (MCB4U) or Mathematics 0110A/B.

Corequisite(s): Calculus 1000A/B or 1100A/B or 1500A/B or Applied Mathematics 1413.

3 lecture hours, 3 lab/tutorial hours, 0.5 course. (Main)
Note: This course, together with Physics 1502A/B, is a suitable prerequisite for all modules in the Faculty of Science, for all modules offered by the basic medical science departments and for professional schools having a Physics requirement.

1502A/B - Enriched Introductory Physics II

A calculus-based laboratory course for students intending to pursue further studies in Science, particularly the Physical Sciences. Relativity, the electromagnetic interaction, the strong and weak interactions, oscillations and waves.

Antirequisite(s): Physics 1021, 1029A/B, 1302A/B, 1402A/B, the former Physics 1020, 1024, 1026.

Prerequisite(s): One of Physics 1501A/B (preferred) or Physics 1301A/B or 1401A/B, or a minimum mark of 80% in Physics 1028A/B; Calculus 1000A/B or 1100A/B or 1500A/B.

Corequisite(s): Calculus 1501A/B (preferred) or Calculus 1301A/B, or Applied Mathematics 1413.

3 lecture hours, 3 lab/tutorial hours, 0.5 course. (Main)

Note: This course, together with Physics 1501A/B, is a suitable prerequisite for all modules in the Faculty of Science, for modules offered by the basic medical science departments and for professional schools having a Physics requirement.

PHYSIOLOGY (M)

1020 - Human Physiology

A survey course outlining the principles of human/mammalian physiology; general properties of the living cell and the internal environment; neural, muscle, cardiovascular, respiratory, gastrointestinal, renal and endocrine systems; metabolism, reproduction and homeostasis.

Antirequisite(s): Physiology 1021, 2130, 3120.

Prerequisite(s): Grade 12U (SB4U) Biology and Grade 12U (SCH4U) Chemistry, or their equivalent.

First year courses in Biology and Chemistry are recommended.

Limited to students enrolled in the Nursing program.

2 lecture hours, 1 tutorial hour, 1.0 course. (Main)

1021 - Introduction to Human Physiology

An introductory course, outlining the principles of human/mammalian physiology along with a general survey of various physiological systems (e.g. cardiovascular, renal, neural, motor, gastrointestinal, endocrine, respiratory, etc.).

Antirequisite(s): Physiology 1020, 2130, 3120.

Prerequisite(s): Grade 12U Biology or its equivalent. Grade 12U Chemistry is recommended.

Limited to students enrolled in first year Kinesiology.

2 lecture hours, 1 tutorial hour, 1.0 course. (Main)

POLISH (A)

1030 - Polish for Beginners

A beginning course with concentration on conversational skill and reading of literary material.

Antirequisite(s): The former Polish 002.

4 hours, 1.0 course. (Main)

Those students with Grade 12U Polish must consult the Department before registering for this course.

POLITICAL SCIENCE (SS)

1020E - Introduction to Political Science

A study of principal concepts, ideas and analytical methods of modern political science, with emphasis on the political systems of Canada and other selected countries.

3 hours, 1.0 course. (Brescia, Huron, King's, Main)

PORTUGUESE (A)

1030 - Portuguese for Beginners

An introduction to understanding, speaking, reading, and writing Portuguese, with emphasis on oral skills. Intended for students with little or no previous knowledge of Portuguese. Prepares students directly for Portuguese 2200.

Antirequisite(s): Grade 12U Portuguese.

4 hours, 1.0 course. (Main)

PSYCHOLOGY (SS)

1000 - Introduction to Psychology

An introductory survey of the methods and findings of modern scientific psychology. The following topics will be covered: history and methodology, biological psychology, sensation and perception, learning and motivation, verbal and cognitive processes, developmental psychology, social psychology, individual differences (intelligence and personality), and clinical psychology.

Antirequisite(s): Psychology 1100E, the former Psychology 1200. 3 lecture hours, 1.0 course.

(Brescia, Huron, King's Main)

1001E - Laboratory Upgrade

This course is designed to provide students who have a credit in Psychology 1000 or equivalent with the laboratory experience that is part of Psychology 1100E but not Psychology 1000. Successful completion of Psychology 1000 plus 1001E will be accepted as the equivalent of credit in Psychology 1100E for purposes of entry into courses and modules at Huron.

Antirequisite(s): Psychology 1100E.

Prerequisite(s): At least 70% in Psychology 1000 and a 70% average in the best 5.0 courses taken to fulfill first-year requirements.

1.0 hour per week, no credit. (Huron)

1100E - Method in General Psychology

An introduction to method and content in psychology. The content areas covered include physiological psychology, perception, learning and motivation, memory and cognition, developmental psychology, individual differences, personality, social psychology, and applied psychology. Method is studied through direct experience with research design and the collection, statistical treatment and reporting of data. **Antirequisite(s):** Psychology 1000, Psychology 1200 and the former Psychology 100. 2 lecture hours, 1 laboratory hour, 1.0 course. (Huron)

Note: Normally, a prerequisite for senior courses at Huron College.

RELIGIOUS STUDIES

0011 - Contemporary Religious Quests

An introduction to Religious Studies based on autobiographies and/or biographies of twentieth-century persons representing different religious perspectives and walks of life. Lectures, discussions of written materials and films.

Antirequisite(s): Religious Studies 1031E.

2 lecture hours, 1 seminar hour, 1.0 course. (Brescia)

1022A/B - Perplexing Issues

An examination of selected thought provoking questions such as "What's after death?"; "Why do bad things happen to good people?"; "Why are religions in conflict, sometimes violently?"; "Do miracles happen?"; "The aim of this introductory study is to broaden students' awareness of religious ways of understanding the human condition.

3 hours, 0.5 course. (King's)

1023E - Introduction to World Religions

A study of belief systems, ethical teachings and worship practice of world religions, including Hinduism, Buddhism, Sikhism, Confucianism, Daoism, Judaism, Christianity and Islam.

Antirequisite(s): Religious Studies 2130
3 hours, 1.0 course. (King's)

1025E - Foundations of the Religious Response

An examination of the development of the religious phenomenon from primitive man up to the major world religious experiences.

Antirequisite(s): All 1020 level Religious Studies courses except Religious Studies 1029.
3 hours, 1.0 course. (Brescia)

1026F/G - Introduction to the Old Testament I: Religious Themes

Introduction to the legal, prophetic, wisdom and liturgical literature of the Old Testament and to the ideas which each type of material emphasizes.

Antirequisite(s): The former Religious Studies 010E and all 1020 level Religious Studies courses except Religious Studies 1028F/G and Religious Studies 1029. 3 hours, 0.5 course. (Brescia)

1027E - Introduction to Catholic Theology

Introduction to central themes of Catholic theology including revelation, faith, Jesus, Church, sacraments.
3 hours, 1.0 course. (King's)

1028F/G - Introduction to the New Testament I: The Gospels

A general survey of the four canonical gospels which highlights their characteristic literary features and their distinctive theological emphases.

Antirequisite(s): The former Religious Studies 145 and all 1020 level Religious Studies courses except Religious Studies 1026F/G and Religious Studies 1029. 3 hours, 0.5 course. (Brescia)

1029 - An Introduction to New Testament Greek

3 hours, 1.0 course. (Huron)

1031E - Contemporary Religious Quests

An introduction to Religious Studies which incorporates the autobiographies and/or biographies of contemporary men and women representing different religious perspectives and walks of life. The course introduces students to the theory of religion: its meaning and function in culture and in the lives of individuals.

Antirequisite(s): Religious Studies 0011
2 lecture hours, 1 seminar hour, 1.0 course. (Brescia)

1032A/B - Spirituality for the New Millennium

This course considers the contemporary interest in spirituality as a means of fulfilment in an age of uncertainty and change. It examines traditional and non-traditional spiritualities and several current trends, including spirituality and ecology, in the workplace, in the healing professions and in movements for social transformation.

3 hours, 0.5 course. (Brescia)

1033A/B - The Meaning of Life at the Movies

An exploration of religious assumptions (including assumptions about how a person can live and die well) in contemporary films.

3 hours, 0.5 course. (King's)

RUSSIAN (A)**1030 - Russian for Beginners**

An introduction to spoken and written Russian for students with no previous knowledge of Russian.

Offers a basis for further work in commercial and scientific fields, political science, and foreign affairs, as well as the study of Russian literature in the original.

Antirequisite(s): Grade 12U Russian.
4 hours, 1.0 course. (Main)

SCHOLARS ELECTIVES**1020Y - Introduction to University Research**

Individual reading and research under faculty mentor supervision on a topic mutually agreed.
1 hour every second week, 0.5 course.

Restricted to Scholar's Electives Students. (Main)

SOCIAL JUSTICE AND PEACE STUDIES**1020E - Introduction to Social Justice and Peace Studies**

An interdisciplinary introduction to the symbolic, institutional and individual aspects of systemic oppression in local and global contexts. Focusing on the realities of conflict, environmental degradation, poverty, the sex trades, sweatshops, and militarism, the course introduces students to theories of social justice and peace and strategies for social change.
3 hours, 1.0 course. (King's)

SOCIAL WORK**1021A/B - Introduction to Social Welfare**

An introductory course on Canada's social welfare system. Emphasis is on pursuing a critical analysis of Canada's existing social welfare programs and institutions. Attention is given to the history of society's response to meeting human needs, to varying theoretical perspectives and motivations for forming the social welfare system in Canada. Required admission to the Social Work program.

Antirequisite(s): Social Work 1020
3 lecture hours, 0.5 course. (King's)

1022A/B - Introduction to Social Work

An introductory course addressing key concepts and contemporary issues in professional social work practice in Canada. The ethical underpinnings of the profession along with micro, mezzo and macro levels of intervention will be discussed and an emphasis placed on their application to diverse populations of practice in the Canadian setting. Required admission to the Social Work program.

Co- or Prerequisite(s): Social Work 1021A/B
Antirequisite(s): Social Work 1020
3 lecture hours, 0.5 course. (King's)

SOCIOLOGY (SS)**0012 - Individual and Society**

Focusing on the relationship between individuals and society, this course will provide students with a critical introduction to the themes of society, culture, diversity and identity.

Antirequisite(s): The former Sociology 010
3.0 hours, 1.0 course. (Brescia)

For students registered in the Preliminary Year program only.

1020 - Introduction to Sociology

An examination of the major theoretical perspectives in the field of Sociology, methods of empirical investigation of social phenomena, socialization, group structure, principles of social organization, community structure, population and social change.

Antirequisite(s): Sociology 1021E.
2 lecture hours, 1 tutorial hour, 1.0 course. (Brescia, Huron, King's, Main)

1021E - Introduction to Sociology

This course will cover the same material as Sociology 1020, but will also provide students with the opportunity to enhance their essay-writing skills while pursuing a project or projects involving sociological analysis.

Antirequisite(s): Sociology 1020.
2 lecture hours, 1 tutorial hour, 1.0 course. (Brescia, Huron, King's, Main)

SPANISH (A)**1030 - Spanish for Beginners**

Introduction to understanding, speaking, reading, and writing Spanish with emphasis on oral skills. Intended for students with little or no previous knowledge of Spanish. Prepares students directly for Spanish 2200 or 2200W/X.

Antirequisite(s): Grade 12U Spanish, Spanish 1030W/X.

4 hours, 1.0 course. (Brescia, King's, Main)

1030W/X - Spanish for Beginners (Accelerated)

Introduction to understanding, speaking, reading, and writing, with emphasis on oral skills. Intended for students with little or no previous knowledge of Spanish. Prepares students directly for Spanish 2200 or 2200W/X.

Antirequisite(s): Spanish 1030.
Prerequisite(s): Permission of the Department.
8 hours, one semester, 1.0 course. (Main)

STATISTICAL SCIENCES (S)**1023A/B - Statistical Concepts**

An examination of statistical issues aiming towards statistical literacy and appropriate interpretation of statistical information. Common misconceptions will be targeted. Assessment of the validity and treatment of results in popular and scientific media. Conceptual consideration of study design, numerical and graphical data summaries, probability, sampling variability, confidence intervals and hypothesis tests.

Antirequisite(s): Statistical Sciences 2037A/B.
3 lecture hours, 0.5 lab hours (1-hour lab every other week), 0.5 course. (Main)

1024A/B - Introduction to Statistics

Statistical inference, experimental design, sampling design, confidence intervals and hypothesis tests for means and proportions, regression and correlation.

Antirequisite(s): All other courses or half courses in Introductory Statistics, except Statistical Sciences 1023A/B and 2037A/B.

Prerequisite(s): Grade 12U Mathematics or Mathematics 0110A/B or 1229A/B, or the former Mathematics 017a/b.
3 lecture hours, 0.5 course. (Huron, King's, Main)

THEOLOGICAL STUDIES**1020E - Introduction to Theology**

An examination of selected themes in the Christian tradition, such as approaches to the Bible, Christian practice, missiology, the formulation of doctrine, the use of philosophy and iconographic expression. These will be considered in relation to Christianity in a variety of historical and cultural contexts, and in its contemporary global setting.

Antirequisite(s): Religious Studies 1027E
3 hours, 1.0 course. (Huron)

VISUAL ARTS HISTORY (A)**1040 - A History of Art and Visual Culture**

An introductory survey examining key works of art within the intellectual and social contexts of their production. This course provides a working

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knowledge of the history of art and architecture from the earliest times to the present and supplies the critical tools necessary for studying art and visual culture.

3 lecture hours, 1 tutorial hour, 1.0 course. (Main)

1050F/G - Collecting Art and Culture

An introduction to historical and contemporary practices of collecting art and cultural objects.

3 lecture hours, 0.5 course. (Main)

1051F/G - Revivals in Art and Culture

An introduction to the revivals of art styles and practices in historical and contemporary contexts, including film, design and fashion.

3 lecture hours, 0.5 course. (Main)

1052F/G - Art and Popular Culture

An introduction to the uses of art and iconic images in popular culture through the ages. This course will explore the circulation and power of canonical artworks and cultural icons in historical and contemporary contexts.

3 lecture hours, 0.5 course. (Main)

1053F/G - Picturing Science

An exploration of the various relationships between art and science. Topics may include the history of medical illustration and imaging, artistic representations of scientific principles and issues, and the uses of scientific technologies in the production of art.

3 lecture hours, 0.5 course. (Main)

1054F/G - Introduction to Visual Culture

A theme-based introduction to the complex and engaging world of historical and contemporary visual culture as it relates to the history of art.

3 lecture hours, 0.5 course. (Main)

VISUAL ARTS STUDIO (A)

1020 - Foundations of Visual Arts

A studio course designed to introduce students to techniques and processes of two-dimensional and three-dimensional media; the theoretical concepts which inform and direct studio practice will be emphasized.

Antirequisite(s): VAS 1025

Prerequisite(s): Priority will be given to students registered in a Visual Arts program.

6 studio hours, 1.0 course. (Main)

Note: Some sessions may involve drawing from the nude (female or male) as a required component of the course.

1025 - Advanced Visual Arts Foundation Studio

This course is designed to develop foundational technical and conceptual skills for students with prior experience working with visual art media. Focus will be placed on the techniques and processes of two-dimensional and three-dimensional media with an emphasis on the theoretical concepts that inform and direct contemporary studio practices.

Antirequisite(s): VAS 1020

Prerequisite(s): Submission and acceptance of a prepared Visual Arts portfolio.

6 studio hours, 1.0 course. (Main)

Note: Some sessions may involve drawing from the nude (female or male) as an integral component of the course. For VAS 1020 and VAS 1025 only, students may request an alternate component.

WOMEN'S STUDIES (A) & (SS)

1020E - Introduction to Women's Studies

A survey of selected topics in the study of gender structures and the status of women in historical and cross-cultural perspective. These will include consideration of social and psychological processes by which gender identity is established in the individual, its institutional manifestations, and its articulation with class and race structures.

2 lecture hours, 1 tutorial hour, 1.0 course. (Brescia, King's, Main)

WRITING

0002F/G - Introduction to Writing in English

Restricted to English as a Second Language students. This course will introduce the grammar and structure of English, as well as the conceptual and cultural conventions of university writing in English.

Antirequisite(s): The former Writing 0001F/G. 3 hours, 0.5 course. (King's, Main)

0011F/G - Introduction to Basic Academic Writing in English for Multilingual Students

This course for multilingual students will develop skills of planning and composing in the writing process, and pre-writing skills such as note-taking from lectures and academic readings. These will help students develop an appreciation for appropriate vocabulary, syntax, and style of the various discourse communities at the university.

Antirequisite(s): Writing 0002F/G. 4 lecture hours, 0.5 course. (Brescia, Huron)

0012F/G - Introduction to Advanced Academic Writing in English for Multilingual Students

This course will introduce multilingual students who have a good knowledge of academic essay format to those rhetorical and format-based skills necessary for advanced level writing in the disciplines. The course will discuss the reader-writer-message triangle as it applies to different writing forms within the academy. It is designed to help multilingual students develop the linguistic, rhetorical, and strategic competencies that they will need to succeed in advanced academic courses at the undergraduate level, and incorporates discussion of those issues that are culturally relevant to a Canadian academic community.

Antirequisite(s): The former Writing 0001F/G, Writing 0011F/G. 3 lecture hours, 0.5 course. (Brescia, Huron)

1000F/G - The Writers' Studio

Students are introduced to the creative process of writing through in-class exercises, peer workshop, analysis of creative texts, journaling, essay writing, and a review of writing mechanics. Students learn strategies for idea generation in a variety of genres, composing a first draft, approaching revision, and effective editing and proofreading.

Antirequisite(s): Any Writing course or half course at the 1000, 2100 or 2200 level.

Prerequisite(s): 85% or higher in Grade 12U Writer's Craft.

3 lecture hours, 0.5 course. (Main)

1020F/G - Writing: Introduction to University Essay Writing

A practical introduction to the basics of successful academic writing, designed for first-year students in all disciplines. Topics will range from grammar, sentence structure, and paragraphing to the principles of scholarly argument and research.

Antirequisite(s): Writing 1021F/G, Writing 2101F/G 3 lecture/tutorial hours, 0.5 course. (Brescia, King's)

This course will not serve as a prerequisite for any area of concentration.

1021F/G - Basic Academic Writing for Multilingual Students

Restricted to English as a Second Language students. The course continues to develop macro-level skills of planning and composing and refines writing skills by introducing language and citation conventions and self-editing for more complex writing projects. Readings that explore questions of identity and relationships within western culture will stimulate critical reviews, reports and research essays.

Antirequisite(s): Writing 1020F/G.

Prerequisite(s): Writing 0011F/G, or permission of the instructor.

4 lecture hours, 0.5 course. (Huron)

1022F/G - University Writing in English

Restricted to English as a Second Language students. This course will build on writing skills developed in Writing 0002F/G. It will provide students with intensive hands-on writing practice on a weekly basis and offer opportunities to develop research-based writing skills through various academic forms.

Antirequisite(s): Writing 1020F/G and 1021F/G.

Prerequisite(s): The former Writing 0001F/G, Writing 0002F/G or permission of the Department.

3 hours, 0.5 course. (King's)

1025F/G - Critical Reading and Writing

Students will explore the assumptions behind academic discourse, critically analyze academic readings, and learn to write effectively for a variety of academic discourse communities.

Antirequisite(s): Writing 1020F/G, 1021F/G, 1022F/G and 2101F/G.

3 hours, 0.5 course. (Huron)

1030F - Writing For Professional Success in Nursing

This course serves as an introduction to the basic principles and techniques of good writing, an integral tool for learning and a vital source of communication in the Nursing profession. The course will emphasize practical work and the development of writing skills for a variety of styles and genres appropriate to the profession.

0.5 course. (Main)