

WINTER 2022

CREDIT COURSE SCHEDULE

ANTHROPOLOGY

Introduction to Anthropology

381-101-DW | 45 hours

No prerequisite

381-BWS-03* | 45 hours

Complementary course number*

Section 03001 Tuesday 18:30 – 21:30

Section 03002 Monday 18:30 – 21:30

Section 03003 Thursday 18:30 – 21:30 (on reserve)

The course provides an overview of what anthropology encompasses from the history of anthropological thought to the major sub-fields of study including linguistics, biology, culture and archeology. The unique vision and social scientific perspective anthropology brings to the social sciences will be discussed. This course will present an approach designed to introduce students to main areas of the discipline that may be explored more profoundly in the higher level courses. This course may use a textbook or a course pack. The cost will be no more than \$75.

*Students in a DEC program (*not* 08125, 08128, 08040 or 08072) who are taking this course as a complementary should register for course number 381-BWS-03.

*Students in the Social Science program cannot use this course as a complementary.

Topics in Anthropology

381-219-DW | 45 hours

Prerequisite: Introduction to Anthropology 381-101

Section 03001 Wednesday 18:30 – 21:30

The course focuses on the concepts, theories, and methods associated with a particular area of anthropology and the analysis of these concepts, theories, and methods in specific cases and situations. The emphasis is on theory, research, and analysis. Possible themes include medical anthropology; magic, science, and religion; prehistoric hominid culture; body decoration; gender; language traditions; forensic anthropology; stone tool technology; primatology; behavioural biology; sensory ethnography; visual anthropology.

BIOLOGY

General Biology I

101-NYA-05 | 75 hours

Prerequisite: High School Chemistry 551-504 or 534 or CEGEP Chemistry 202-001

Recommended: General Chemistry 202-NYA

Section 03001 Mon. & Wed. 17:30 – 19:00, Wednesday Lab 19:00 – 21:00

Section 03002 Mon. & Wed. 17:30 – 19:00, Monday Lab 19:00 – 21:00 (on reserve)

Section 03003 Tues. & Thurs. 17:30 – 19:00, Tuesday Lab 19:00 – 21:00

Section 03004 Tues. & Thurs. 17:30 – 19:00, Thursday Lab 19:00 – 21:00 (on reserve)

Students will learn to recognize the characteristics of life and how evolution gave rise to the great diversity in life forms. The relationship between biological structures and their function will be examined. How cell activities are organized and controlled, as well as cell reproduction and basic genetic principles will be studied. The biodiversity of ecosystems and the flow of energy and nutrients through these systems will be examined. In order to graduate from Dawson's Science Program, students are required to complete a scientific research project, to acquire and analyze data using computerized systems, and to communicate effectively using electronic media. *Text: Reece et al., Campbell Biology, 3rd Canadian ed., Pearson. Approx. \$202 (eBook \$124)*

General Biology II

101-BZE-05 | 75 hours

Prerequisite: General Biology I 101-NYA

Recommended: Organic Chemistry 202-BZF

Section 03001 Tues. & Thurs. 17:30 – 19:00, Tuesday Lab (10 weeks) 19:00 – 22:00

Section 03002 Tues. & Thurs. 17:30 – 19:00, Thursday Lab (10 weeks) 19:00 – 22:00

This is a required course for pre-university Health Science students and for Pure and Applied Science students planning to enter biological sciences at university. Topics in biochemistry, cell function, major metabolic processes, and molecular genetics will be covered. Examples of regulation by hormonal control mechanisms will be examined to highlight the maintenance of homeostasis. Laboratory exercises make use of computerized data collection techniques, and are used to complement appropriate lecture material. *Text: Reece et al., Campbell Biology, 3rd Canadian ed., Pearson. Approx. \$202 (eBook \$124)*

Human Anatomy and Physiology

101-BZH-05 | 75 hours

Prerequisite: General Biology I 101-NYA

Section 03001 Saturday 9:00 - 12:00, Saturday Lab 12:30 – 14:30

This is an optional course for students in the Science program. It offers students an opportunity to develop an understanding of the human body and its organ systems from the point of view of structure-to-function relationships. A series of laboratory exercises complements the lecture material. Students may elect to complete a project for this course as part of the Comprehensive Examination. *Text: Marieb, Essentials of Human Anatomy and Physiology, 12th ed., Pearson Canada. Available only as an eBook approx. \$70*

Human Biology (Social Science)

101-921-DW | 45 hours

No prerequisite

Section 03001 Thursday 18:30 – 20:00, Thursday Lab 20:00 – 21:30

Section 03002 Saturday 9:00 – 10:30, Saturday Lab 10:30 – 12:00

Section 03003 Tuesday 18:30 – 20:00, Tuesday Lab 20:00 – 21:30

This course begins with an introduction to anatomical terminology, a discussion of the various levels of structural organization that make up the human body, and a brief overview of each system's contribution to homeostasis. This course emphasizes the control systems (nervous and endocrine), reproduction and genetics. The material covered in this course provides a useful background for non-science students planning to study psychology in university. This course can be used as a concentration course in Social Science, but cannot be used in the revised Science programs. *Text: Goodenough, J. Biology of Humans, 6th ed. Pearson Education. Available only as an eBook approx. \$105*

Please note: This is a Social Science option course. It cannot be applied to a Science DEC.

BUSINESS ADMINISTRATION

Introduction to Business

401-101-DW | 45 hours

No prerequisite

401-BWS-DW* | 45 hours

Complementary course number*

Section 03001 Monday 18:00 – 21:00

Section 03002 Wednesday 18:00 – 21:00

Section 03003 Thursday 18:00 – 21:00

Students who have passed an Introduction to Business course under a different course number should check with an Academic Advisor before registering for this course.

The goal of this course is to introduce students to the world of business and the economic environment in which it operates. The students will establish a critical understanding of business topics while also focusing on specific issues related to the business world such as the structure of business, its principal activities, and typical problems. Group discussion and case studies are used in a simplified manner to prepare students for more advanced studies. Approximate cost of textbook: \$90.

*Students in a DEC program (not 08125, 08128, 08040 or 08072) who are taking this course as a complementary should register for course number 401-BWS-DW.

*Students in the Social Science program cannot use this course as a complementary.

Basics of Marketing

401-201-DW | 45 hours

Prerequisite: Introduction to Business 401-101

Section 03001 Tuesday 18:00 – 21:00

Section 03002 Tuesday 18:00 – 21:00 (on reserve)

This is a survey course in Marketing and covers the environment in which marketing takes place, the definition of markets, and the marketing mix strategy used to respond to the environment. Specifically, Basics of Marketing addresses the role of marketing information, market segmentation and positioning strategies. *Text: Tuckwell Jaffey. Think Marketing. 3rd edition. Pearson. Available only as an eBook approx. \$90*

Business Law

401-210-DW | 45 hours

Prerequisite: Introduction to Business 401-101

Section 03001 Thursday 18:00 – 21:00

Students who have passed a Business Law course under a different course number should check with an Academic Advisor before registering for this course.

This is a general survey of business law with emphasis on its everyday use. Material covered will be the law relating to persons, property, obligations, contracts, sale, leases, and forms of ownership. *Text: Papatheodorakos, N. Essentials of Québec Business Law, 4th ed., Paladin. Approx. \$73*

CHEMISTRY

The sequence of courses is 202-001-RE, 202-NYA-05, 202-NYB-05 and 202-BZF-05. Students with no chemistry background must take Remedial Activities for Secondary IV Environmental Science and Technology (105-003-RE). See the chart on page 36.

Remedial Activities for Secondary V Chemistry

202-001-RE | 75 hours

Prerequisite: High School Science 558-404 or 558-402 or Physical Science 436 or CEGEP 105-003 or equivalent

Recommended: High School Mathematics 564-406 or 565-406 or 564-426 or 565-426 or Math 436 or 526 or CEGEP Math 201-016 or equivalent prior to this course.

Section 03001 Mon. & Wed. 17:30 – 19:00, Wednesday Lab (10 weeks) 19:00 – 22:00

Section 03002 Mon. & Wed. 17:30 – 19:00, Monday Lab (10 weeks) 19:00 – 22:00

Section 03003 Tues. & Thurs. 17:30 – 19:00, Tuesday Lab (10 weeks) 19:00 – 22:00

Section 03004 Tues. & Thurs. 17:30 – 19:00, Thursday Lab (10 weeks) 19:00 – 22:00

Section 03005 Mon. & Wed. 17:30 – 19:00, Monday Lab (10 weeks) 19:00 – 22:00

Section 03006 Mon. & Wed. 17:30 – 19:00, Wednesday Lab (10 weeks) 19:00 – 22:00 (on reserve)

Section 03007 Tues. & Thurs. 17:30 – 19:00, Tuesday Lab (10 weeks) 19:00 – 22:00

Section 03008 Tues. & Thurs. 17:30 – 19:00, Thursday Lab (10 weeks) 19:00 – 22:00 (on reserve)

This course is required for all science students who have either not taken, or have not passed, High School Chemistry course 551-504. Emphasis is on chemical problem solving, formulas and equations, in preparation for Chemistry 202-NYA-05. Topics include metric units and unit conversion, dimensional analysis, mass and energy, mole conversions, gas laws, chemical nomenclature, types of chemical reactions and stoichiometry (including solution stoichiometry). *Text: Zumdahl. Introductory Chemistry, 2nd Custom ed., Cengage. Approx. \$160. Lab manual may need to be purchased for approximately \$10.*

Note: This course prepares students for college-level chemistry and does not count towards graduation.

General Chemistry

202-NYA-05 | 75 hours

Prerequisite: High School Chemistry 504 or 534 or CEGEP Chemistry 202-001 or equivalent

Recommended: High School Mathematics 506 or 536 or equivalent e.g., CEGEP Mathematics 201-015 prior to this course.

Section 03001 Mon. & Wed. 17:30 – 19:00, Wednesday Lab (10 weeks) 19:00 – 22:00

Section 03002 Mon. & Wed. 17:30 – 19:00, Monday Lab (10 weeks) 19:00 – 22:00

Section 03003 Tues. & Thurs. 17:30 – 19:00, Tuesday Lab (10 weeks) 19:00 – 22:00

Section 03004 Tues. & Thurs. 17:30 – 19:00, Thursday Lab (10 weeks) 19:00 – 22:00

Section 03005 Tues. & Thurs. 17:30 – 19:00, Tuesday Lab (10 weeks) 19:00 – 22:00 (on reserve)

Section 03006 Tues. & Thurs. 17:30 – 19:00, Thursday Lab (10 weeks) 19:00 – 22:00 (on reserve)

Section 03007 Mon. & Wed. 17:30 – 19:00, Wednesday Lab (10 weeks) 19:00 – 22:00 (on reserve)

Section 03008 Mon. & Wed. 17:30 – 19:00, Monday Lab (10 weeks) 19:00 – 22:00 (on reserve)

This course is required for all students in pre-university Science. Topics include the basic theories of atoms, bonding and the states of matter; a brief review of stoichiometry and chemical vocabulary. Emphasis will be placed on the role of the periodic table in predicting properties and on the nature of the covalent bond. Some discussion of quantum theory, hydrogen-bonding and phase changes will also be introduced. *Text: Zumdahl and Zumdahl. Chemistry, 10th ed., Cengage. Approx. \$150, online study guide and solutions manual approx. \$28 (eBook consisting of text, online study guide and solutions manual \$110). Lab manual may need to be purchased for approximately \$15.*

Chemistry of Solutions

202-NYB-05 | 75 hours

Prerequisite: Chemistry 202-NYA

Recommended: Calculus I 201-NYA

Section 03001 Saturday 9:00 – 12:00, Saturday Lab (10 weeks) 12:00 – 15:00

Section 03002 Saturday 9:00 – 12:00, Saturday Lab (10 weeks) 12:00 – 15:00

The concepts and calculations studied in this course are those associated with chemical equilibrium, especially the aqueous solutions. Topics include solution concentrations, kinetics and equilibrium, pH, buffer solutions, solubility product, colligative properties, and free energy. A strong emphasis is placed on computer-based laboratory techniques. *Text: Zumdahl and Zumdahl. Chemistry, 10th ed., Cengage. Approx. \$150, online study guide and solutions manual approx. \$28 (eBook consisting of text, online study guide and solutions manual \$110). Lab manual may need to be purchased for approximately \$15.*

Organic Chemistry I

202-BZF-05 | 75 hours

Prerequisite: Chemistry 202-NYA

Recommended: High School Mathematics 506 or 536 or equivalent e.g., CEGEP Math 201-015

Section 03001 Mon. & Wed. 17:30 – 19:00, Wednesday Lab (10 weeks) 19:00–22:00

Section 03002 Mon. & Wed. 17:30 – 19:00, Monday Lab (10 weeks) 19:00–22:00 (on reserve)

This course is for pre-university science students who plan to study life sciences, chemistry or chemical engineering at university. Topics include the nature of organic compounds, functional groups, nomenclature, stereochemistry, bonding, reactivity and reaction mechanisms of alkanes, alkyl halides, alkenes, alkynes and aromatics. *Text: Bruice, Paula Y. Organic Chemistry, 8th ed. Pearson. Approx. \$200 for the hardcover textbook package including solutions manual and Mastering e-source (eBook \$126). Molecular model kit \$55. Lab manual may need to be purchased for approximately \$10.*

CINEMA/COMMUNICATIONS

Cinema Styles

530-916-DW | 45 hours

No prerequisite

530-BWA-03* | 45 hours

Complementary course number*

Section 03001 Monday 18:30 – 21:30

Section 03002 Wednesday 18:30 – 21:30

Section 03003 Tuesday 18:30 – 21:30

This introductory film course will expose students to the language of cinema through a variety of film forms, genres and styles. The class will examine contemporary and historical works notable for their aesthetic approach and storytelling techniques as well as their unique treatment of social realities. Learning activities may include screenings, analysis, written assignments and oral presentations, group and/or individual projects and tests.

*Students in a DEC program (not 08125, 08128, 08040 or 08072) who are taking this course as a complementary should register for course number 530-BWA-03.

COMPUTER SCIENCE

Introduction to Computers

420-BWC-03 | 45 hours

No prerequisite

Section 03001 Monday 18:30 – 21:30

Section 03002 Wednesday 18:30 – 21:30

This course will provide students with a basic level of computer literacy and fundamental skills. Students will learn how to make effective use of the Windows operating system and Microsoft Office (Word, Excel and Access). Students will learn about the fundamental principles upon which computers are based and how to avoid potential problems in their day-to-day use of a computer.

Web Site Creation

420-BXC-03 | 45 hours

No prerequisite

Section 03001 Tuesday 18:30 – 21:30

This course will provide students with the skills to design and develop an effective Web site. Issues of page layout, navigation, aesthetics, colour, typography, readability, graphics, multimedia, interactivity, and animation will be addressed. Students will also learn to perform critiques of existing Web sites based on design principles, functionality, and audience needs.

CREATIVE WRITING

Creative Writing

603-916-DW | 60 hours

No prerequisite

Section 03001 Monday 18:00 – 22:00

Please note: This course is not one of the four General Education English courses but may be applied to the ALC program.

This course gives students the opportunity to practice writing techniques used in a variety of genres. Attention is given to developing students' sense of craft through study, writing exercises, and critique. Other learning activities may include lectures, readings, discussions, presentations, editing practice, and evaluation or self-evaluation exercises. Through reading, listening, discussion, and practice, students gain awareness of the tools of creative writers and the skills to use them in their own work. To this end, the study of poetics constitutes part of the course. Carefully reading and responding to others' work are also components of the course. Revising and editing are essential activities for the writing assignments. At the end of the course, students submit a portfolio of work developed during the term.

ECONOMICS

Introduction to Economics

383-101-DW | 45 hours

No prerequisite

Section 03001 Wednesday 18:30 – 21:30

Section 03002 Thursday 18:30 – 21:30

Section 03003 Monday 18:30 – 21:30

Section 03004 Tuesday 18:30 – 21:30

Section 03005 Friday 18:30 – 21:30

This course introduces students to economic systems, the great economic thinkers, the different schools of thought, and the basic concepts and theories of economics. Students will become familiar with introductory tools, methods, and models of economic analysis, as well as recognize their limitations. Applying different perspectives and relying on current and historical data, the course exposes students to Canada and Quebec's major macroeconomic problems such as unemployment, recessions, inflation, and the public debt. Students will learn how governments can use fiscal, monetary, and trade policies to reduce domestic economic problems. The course prepares students to critically assess government economic policies and economic information in the news media. This is a required course for all students in Social Science and a prerequisite for all the other courses in economics. Approximate cost of materials: \$105-\$150

Microeconomics

383-201-DW | 45 hours

Prerequisite: Introduction to Economics 383-101 or 383-920

Section 03001 Thursday 18:30 – 21:30

This course presents concepts, models and theories that explain how households and firms behave in different markets. The assumptions of each theory discussed in the course will be clearly stated and its weaknesses pointed out. Topics covered include market structures, supply and demand, consumer behaviour, behaviour of the firm, production and costs, and the determination of equilibrium price and output in different markets. The course attempts to analyze contemporary economic issues and problems. Using concepts and theories, students will analyze how individuals and companies react to changes in government policy such as subsidies, minimum wages, and price controls. The course presents a theory that explains the determination of incomes such as wages, rent, interest and profits. Students will learn how to analyze concrete economic problems by using appropriate concepts and theories. Approximate cost of materials: \$200

Macroeconomics

383-302-DW | 45 hours

Prerequisite: Introduction to Economics 383-101 or 383-920

Section 03001 Monday 18:30 – 21:30

The course introduces students to theories that explain the determination and evolution of macroeconomic aggregates such as GDP, the rate of unemployment, the rate of inflation, and the rate of interest. It discusses macroeconomic theories and models, specifies their assumptions, presents their applications, and identifies their limitations. Relying on historical and current data, the course examines the changes that have taken place in the Canadian economy over the last few decades. Topics discussed in the course include economic cycles, sources of economic growth, fiscal and monetary policies. Students will learn how different schools of thought, namely the Classical and Keynesian schools, approach these topics. The course enables students to apply macroeconomic concepts to specific cases and to critically assess economic policies. Approximate cost of materials: \$135-\$200

ENGLISH

Students who have graduated from a Quebec high school or Quebec adult education center and have taken their Sec V Ministerial Exams in English in the last three (3) years, do **not** write placement tests. English Placement Results are automatically generated using your final Sec V English grades. All other students who plan to register for an English course but have not recently completed a credit English course at an English CEGEP, must write a placement test online. Please see page 9. Students at the beginner level should ask about non-credit courses. It is recommended that students take 603-BXE as their last English course.

Remedial Activities for Secondary V English Language Arts

603-001-RE | 60 hours

Prerequisite: placement test - see page 9

Section 03001 Monday 18:00 – 22:00

This preparatory course teaches college-level reading, writing, listening, and speaking skills to intermediate students of English as a second language, with an emphasis on the planning, drafting, and editing of essays. Classes will include work on grammar, word usage, spelling and mechanics, sentence structure, and paragraph development. Upon successful completion of the course, students should be able to understand and discuss a college-level text and write a coherent, logically organized three-paragraph essay, which will include a thesis statement, supporting points, appropriate transitions and a conclusion. Please note: This course prepares students for Writing English (603-101) and does not give credit towards graduation requirements.

Introduction to College English: Writing English

603-101-MQ | 60 hours

Prerequisite: 603-001 or placement test - see page 9

Section 03001 Wednesday 18:00 – 22:00

Section 03002 Tuesday 18:00 – 22:00

Section 03003 Tuesday 18:00 – 22:00 (on reserve)

This course is designed for students whose first language is not English and who have been educated in English for less than five years. Students are introduced to the study of literature at the college level, with special emphasis on vocabulary building, correct sentence structure, grammar, idiom and critical thinking. Students will learn how to read a variety of literary works and how to write short analytical essays about literature. Class time will be spent on discussion and practice of reading, writing, research, and speaking skills. By the end of the course, students must be able to write a 750-word analytical essay in college-level English.

Introduction to College English: Effective Reading and Writing

603-101-MQ | 60 hours

Prerequisite: placement test - see page 9

Section 03004 Thursday 18:00 – 22:00

Section 03005 Tuesday 18:00 – 22:00

Section 03006 Wednesday 18:00 – 22:00

Section 03007 Tuesday 18:00 – 22:00 (on reserve)

This course introduces students to the study of literature at the college level, with special emphasis on vocabulary-building, study skills, critical thinking, reading for literal and metaphorical meaning, and writing to communicate ideas. Students will learn how to read a variety of literary works and how to write short analytical essays about literature. Class time will be spent on discussion and practice of reading, writing, research and speaking skills. By the end of the course, students must be able to write a 750-word analytical essay in college-level English.

Introduction to College English

603-101-MQ | 60 hours

Prerequisite: placement test - see page 9

Section 03008 Monday 18:00 – 22:00

Section 03009 Tuesday 18:00 – 22:00

After taking this course, students should be able to analyze and produce written and oral work at the college level. To this end, students will learn the appropriate use of words, correct syntactical usage, and strategies for the development of ideas. As well, they will learn to recognize and analyze a variety of literary forms. Students will also learn to develop their ideas into arguments and theses, to organize them and to edit their work. By the end of the course, students will be able to write a 750-word analytical essay in college-level English.

Literary Genres

603-102-MQ | 60 hours

Prerequisite: 603-101

Students may take 603-103 before 603-102.

Section 03001 Monday 18:00 – 22:00

Section 03002 Wednesday 18:00 – 22:00

Section 03003 Thursday 18:00 – 22:00

Section 03004 Tuesday 18:00 – 22:00

Section 03005 Tuesday 18:00 – 22:00 (on reserve)

This course will examine selected works of literature of a single genre or several genres. The conventions of the genre(s), as well as the techniques and devices employed by authors to effect meaning, will be the focus of classroom activities. Each group/section focuses on a particular area of interest. Students will continue to practice writing critical essays.

Literary Themes

603-103-MQ | 60 hours

Prerequisite: 603-101

Students may take 603-103 before 603-102.

Section 03001 Thursday 18:00 – 22:00

Section 03002 Wednesday 18:00 – 22:00

Section 03003 Tuesday 18:00 – 22:00

Section 03004 Monday 18:00 – 22:00

This course looks at selected works of literature with particular reference to their cultural contexts and thematic developments. Each group/section focuses on a particular area of interest. Students will continue to practice writing critical essays.

Applied Themes in English

603-BXE-DW | 60 hours

Prerequisite: 603-101 and either 603-102 or 603-103

It is recommended that students take 603-BXE as their last English course.

Section 03001 Thursday 18:00 – 22:00

Section 03002 Monday 18:00 – 22:00

This course is designed to help students who have already completed 101, 102 and 103 to develop further their skills in reading, writing, speaking and researching. Students will study and produce various forms of communication while strengthening skills of argumentation. They will learn to recognize and use various rhetorical strategies in order to produce a program-specific major assignment. Each group/section focuses on a particular area of interest.

FINE ARTS/ART HISTORY**Drawing Techniques****511-912-DW** | 45 hours

No prerequisite

511-BXA-03* | 45 hours

Complementary course number*

Section 03001 Wednesday 18:30 – 21:30**Section 03002 Thursday 18:30 – 21:30**

The expressive power of drawing as a visual language is introduced and investigated through the exploitation of various drawing techniques. Working from observation of live models, objects, the environment, and from imagined forms, the students will acquire skills while sketching and rendering with a number of basic drawing materials. Through representation and abstraction, they will apply their research and learn compositional strategies to express their ideas visually. Historical and contemporary trends in drawing approaches will be examined through presentations, and students will have an opportunity to discuss and critique their drawings as explored in studio or independently. This course is taught at an introductory level with no specialized experience required. Approximate cost of materials: \$70

*Students in a DEC program (*not* 08125, 08128, 08040 or 08072) who are taking this course as a complementary should register for course number 511-BXA-03.

Introduction to Painting**511-914-DW** | 45 hours

No prerequisite

511-BXA-03* | 45 hours

Complementary course number*

511-914-DW Section 03001 Tuesday 18:30 – 21:30**511-BXA-03 Section 03003 Tuesday 18:30 – 21:30**

This introductory studio course in painting will establish a working knowledge of paint mixing and application, painting supports, colour theory and composition. Painting projects will explore modes of representation and abstraction. Students will work with acrylic colours to discover the many ways paint can be handled. Students will learn subtractive colour mixing while investigating genres such as still life, figure, portrait and landscape. Scale will be considered in paintings of various sizes on different supports. Students will become aware of different periods and approaches to painting to help focus their own preferences. In-class critiques will incorporate an understanding of relevant terminology. This course is taught at an introductory level with no specialized experience required. Approximate cost of materials: \$120

*Students in a DEC program (*not* 08125, 08128, 08040 or 08072) who are taking this course as a complementary should register for course number 511-BXA-03.

Collage and Mixed Media**511-923-DW** | 45 hours

No prerequisite

511-BXA-03* | 45 hours

Complementary course number*

511-923-DW Section 03001 Monday 18:30 – 21:30**511-BXA-03 Section 03004 Monday 18:30 – 21:30**

Collage derives from the French “coller”, a technique coined by the early 20th century cubist painters Picasso and Braque. Students will discover different collage techniques in 2D and/or 3D assemblage, through which they will explore strategies for choosing and combining suggestive images and/or objects, and finding ways of composing a collage and/or an assemblage. Strategies will be developed for visual research and idea development, and for choosing and incorporating thematic elements. The acquisition of technical skills will enable the production of art projects in 2D and/or 3D assemblage. Approximate cost of materials: \$70

*Students in a DEC program (*not* 08125, 08128, 08040 or 08072) who are taking this course as a complementary should register for course number 511-BXA-03.

Canadian Art in Context

520-917-DW | 45 hours

(formerly 520-331-DW)

No prerequisite

520-BWA-03* | 45 hours

Complementary course number*

Section 03001 Wednesday 18:30 – 21:30

Picture a quaint Quebecois farmhouse, a naïve votive offering, the thunder of Niagara, a rugged mountain vista, a pine tree in a windswept landscape, the freedom of a spontaneous abstract gesture, a swirling pastiche of high-tech new-media investigations, while considering what forms the iconographical images and motivations behind a uniquely Canadian artistic expression. This course examines significant heritage elements, social phenomena and visual art trends specific to a national identity. The student will select and apply appropriate methodologies for the analysis and appraisal of Canadian cultural content, identify unique themes and styles, and locate artists' intentions within our diverse society. Definition and identification of key cultural stakeholders and their influence will be a focus. Visits to historical and contemporary exhibitions, artist studios, architectural and archaeological sites with in-class lecture and discussion are components of this course. Approximate cost of materials: \$70-\$100

*Students in a DEC program (not 08125, 08128, 08040 or 08072) who are taking this course as a complementary should register for course number 520-BWA-03.

FRENCH

As part of the requirements for any DEC program, students must complete two French courses: one from a group of courses called "Block A", the second from a group of courses called "Block B". Students must register for the Block B course that is appropriate for both their level and their program. See the chart below. Students who have graduated from a Quebec high school or Quebec adult education center and have taken their Sec V Ministerial Exams in French in the last three (3) years, do **not** write placement tests. French Placement Results are automatically generated using your final Sec V French grades. All other students who plan to register for a French course but have not recently completed a credit French course at an English CEGEP, must write a placement test online before registering. Please see page 9. Students at the beginner level should ask about non-credit courses.

Block A - 1 course only	Block B - 1 course only		
	Creative Arts & related technology programs	Social Science & related technology programs	Science & related technology programs
¹ 602-100 602-101 602-102 602-103	602-BXB 602-BXD 602-BXY 602-BXN	602-BXB 602-BXG 602-BXK 602-BXU	602-BXB 602-BXF 602-BXJ 602-BXZ
¹ Some students may be required to take additional courses before qualifying for 602-100 (Basic French).			
	Last course passed	→	Next course
	602-011 or 602-FRA	→	602-FRB or 602-03B
	602-006 or 602-03B	→	602-04B
	602-007 or 602-005 or 602-04B or 602-FRB	→	602-008
	602-008 or 602-009	→	602-100
	602-10_	→	602-BX_ (See chart above)

Pratique du français langue seconde 1 et 2

602-FRA-DW | 90 hours

(formerly 602-011-50)

Prerequisite: placement test - see page 9

Section 03001 Tues. & Thurs. 18:00 – 21:00

Section 03002 Mon. & Wed. 18:00 – 21:00 - NEW

This course is designed for students who have no knowledge of French. It prepares students for Pratique du français langue seconde 3 et 4 (602-FRB or 602-03B). It does not contribute to fulfillment of college graduation requirements in French. Text : Desjardins, Nancy *Par ici*, méthode de français (Niveau A1 CECR/ 1-2 Échelle québécoise), éditions MD, Québec 2017, 160 pages; ISBN : 9782891448024. Approx. \$40. Cahier for textbook also available for approx. \$18.

Pratique du français langue seconde 3 et 4

602-FRB-DW | 90 hours

(formerly 602-005-50)

Prerequisite: 602-FRA or 602-011 or placement test - see page 9

Section 03001 Mon. & Wed. 18:00 – 21:00

This course builds on the skills and knowledge developed in 602-011 or 602-FRA and prepares students for 602-008. It does not contribute to the fulfillment of college graduation requirements in French. Text : Desjardins, Nancy, *Par ici*, méthode de français (Niveau A1 CECR/ 1-2 Échelle québécoise), éditions MD, Québec 2017, 160 pages; ISBN : 9782891448024. Approx. \$40. Cahier for textbook also available for approx. \$18.

Pratique du français langue seconde 4

602-04B-DW | 45 hours

(formerly 602-007-50)

Prerequisite: 602-03B or 602-006 or placement test - see page 9

Section 03001 Tuesday 18:00 – 21:00

This course consolidates the skills and knowledge developed in 602-03B or 602-006. The course allows students to progress to 602-008 and does not contribute to the fulfillment of college graduation requirements in French. Text : Desjardins, Nancy, *Par ici*, méthode de français (Niveau A1 CECR/ 1-2 Échelle québécoise), éditions MD, Québec 2017, 160 pages; ISBN : 9782891448024. Approx. \$40. Cahier for textbook also available for approx. \$18.

Mise à niveau pour français, accent sur l'oral

602-008-RE | 60 hours

Pas pour les élèves qui ont réussi leur français de la 5^e secondaire

Prerequisite: 602-FRB or 602-04B or 602-005 or 602-007 or placement test - see page 9

Section 03001 Monday 18:00 – 22:00

Section 03002 Tuesday 18:00 – 22:00 (on reserve)

Ce cours s'adresse aux élèves qui ont une connaissance limitée du français oral et écrit et qui ont besoin de combler leurs lacunes en français avant d'atteindre le niveau de cours 602-100. Ce n'est pas un cours pour débutants. Pour réussir ce cours, les élèves devront réussir les quatre habiletés langagières: expression orale, expression écrite, compréhension orale et compréhension écrite. L'accent sera mis sur l'oral. Coût approximatif du matériel: 60 \$.

Note: 602-008 prépare les élèves pour le cours 602-100 et ne mène pas à l'obtention d'un DEC.

Mise à niveau pour français, accent sur l'écrit

602-009-DW | 60 hours

Pour les élèves qui ont réussi le cours Français langue seconde de la 5^e secondaire et qui ont des lacunes importantes dans la maîtrise de la langue.

Prerequisite: placement - see page 9

Section 03001 Monday 18:00 – 22:00

Section 03002 Tuesday 18:00 – 22:00 (on reserve)

Ce cours s'adresse aux élèves qui ont une connaissance limitée du français oral et écrit et qui ont besoin de combler leurs lacunes en français avant d'atteindre le niveau de cours 602-100. Ce n'est pas un cours pour débutants. Pour réussir ce cours, les élèves devront réussir les quatre habiletés langagières: expression orale, expression écrite, compréhension orale et compréhension écrite. L'accent sera mis sur l'écrit. Coût approximatif du matériel : 60 \$.

Note: 602-009 prépare les élèves pour le cours 602-100 et ne mène pas à l'obtention d'un DEC.

Basic French (Français de base)

602-100-MQ | 45 hours

Block A

Prerequisite: 602-008 or 602-009 or placement - see page 9

Section 03001 Monday 18:00 – 21:00

Section 03002 Tuesday 18:00 – 21:00

Ce cours s'adresse aux élèves qui ont une connaissance de base du français oral et écrit. Des exercices divers serviront à développer les quatre habiletés langagières: la compréhension, l'expression orale, la lecture et surtout l'écriture. Coût approximatif du matériel : 50 \$

French Language and Communication (Langue française et communication)

602-101-MQ | 45 hours

Block A

Prerequisite: placement - see page 9

Section 03001 Monday 18:00 – 21:00

Section 03002 Monday 18:00 – 21:00 (on reserve)

Ce cours s'adresse aux élèves qui ont une connaissance moyenne du français oral et écrit. Il leur permettra de communiquer en français avec une certaine aisance. À la fin de ce cours, les élèves seront capables d'interpréter et de produire diverses communications orales et écrites. Coût approximatif du matériel : 55 \$

French Language and Culture (Langue française et culture)

602-102-MQ | 45 hours

Block A

Prerequisite: placement - see page 9

Section 03001 Wednesday 18:00 – 21:00

Section 03002 Thursday 18:00 – 21:00

Section 03003 Wednesday 18:00 – 21:00 (on reserve)

Ce cours s'adresse aux élèves qui ont une bonne connaissance du français oral et écrit. Il les mettra en contact avec la culture et la littérature francophones, leur permettant ainsi de communiquer en français avec aisance. À la fin de ce cours les élèves seront capables d'interpréter et de produire divers textes écrits, de comprendre des documents audio et de produire des exposés oraux. Coût approximatif du matériel : 55 \$

French Culture and Literature (Culture française et littérature)

602-103-MQ | 45 hours

Block A

Prerequisite: placement - see page 9

Section 03001 Thursday 18:00 – 21:00

Ce cours s'adresse aux étudiants qui maîtrisent suffisamment le français écrit pour traiter de sujets d'ordre culturel et littéraire. Il porte sur des thèmes culturels variés ainsi que sur les différents genres littéraires. Ce cours, en plus de développer l'aptitude de la rédaction, permettra aux étudiants d'améliorer leur sens critique. Par ailleurs, les étudiants seront initiés à l'analyse littéraire. Coût approximatif du matériel : 50 \$

Comprendre et mieux s'exprimer

602-BXB-DW | 45 hours

Block B – All programs

Prerequisite: 602-100

Section 03001 Tuesday 18:00 – 21:00

Section 03002 Thursday 18:00 – 21:00

Ce cours, qui est la suite du cours 602-100, vise à rendre l'élève capable de communiquer (parler, lire, comprendre et écrire) avec une certaine facilité. Il prend en considération les connaissances des élèves, notamment celles acquises dans le cours 602-100. Coût approximatif du matériel : 50 \$

Visions actuelles

602-BXD-DW | 45 hours

Block B – 101 Level – Creative Arts

or

Aspects de la science et des techniques

602-BXF-DW | 45 hours

Block B – 101 Level – Science

or

Actualités des sciences humaines

602-BXG-DW | 45 hours

Block B – 101 Level – Social Science

Prerequisite: 602-101

Section 03001 Thursday 18:00 – 21:00

Ce cours, qui est la suite du cours 602-101, met à la disposition des élèves les moyens de s'exprimer aisément en français, oralement et par écrit, dans le cadre de la discipline qui leur est spécifique par des oeuvres relevant de leur domaine de spécialisation. À la fin du cours, les élèves devraient être en mesure de fonctionner en français sur le plan professionnel. Coût approximatif du matériel : 50 \$

Regards sur les sciences et les techniques

602-BXJ-DW | 45 hours

Block B – 102 Level – Science

or

Regards sur les sciences humaines

602-BXK-DW | 45 hours

Block B – 102 Level – Social Science

or

En marge des mots: Regards sur les arts et la littérature

602-BXY-DW | 45 hours

Block B – 102 Level – Creative Arts

Prerequisite: 602-102

Section 03001 Wednesday 18:00 – 21:00

Section 03002 Tuesday 18:00 – 21:00

Section 03003 Wednesday 18:00 – 21:00 (on reserve)

Ce cours, qui est la suite du cours 602-102, met à la disposition des élèves les moyens de s'exprimer aisément en français, oralement et par écrit, dans le cadre de leur programme d'études. À la fin du cours, les élèves devraient être en mesure de mieux fonctionner en français sur le plan professionnel. Coût approximatif du matériel : 50 \$

Découvertes et création

602-BXN-DW | 45 hours

Block B – 103 Level – Creative Arts

or

Les sciences humaines en français

602-BXU-DW | 45 hours

Block B – 103 Level – Social Science

or

Le français des sciences et des techniques

602-BXZ-DW | 45 hours

Block B – 103 Level – Science

Prerequisite: 602-103

Section 03001 Tuesday 18:00 – 21:00

Ce cours, qui est la suite de 602-103, permet aux élèves d'analyser et de rédiger, à l'aide d'ouvrages de référence, des textes variés portant sur des sujets liés à leur domaine d'études. À la fin du cours, les élèves devraient être en mesure de mieux fonctionner en français sur le plan professionnel. Coût approximatif du matériel : 50 \$

GEOGRAPHY

Introduction to Geography and the Environment

320-102-DW | 45 hours

No prerequisite

320-BWS-03* | 45 hours

Complementary course number*

Section 03001 Monday 18:30 – 21:30

Section 03002 Wednesday 18:30 – 21:30 (on reserve)

The environment encompasses the natural world, of which we are a part, and the built world, which we have created. Geography studies both the changes taking place within the natural world and the changes in the way people organize their activities spatially in the social world. This course introduces students to the dynamic character of society and its interaction with the natural environment. The course will introduce basic geography skills such as map reading, mapmaking and the usefulness of geographic information systems (GIS). It will then explore key concepts relating to the geographic study of climate, environment, and of society, culture, demography and development.

*Students in a DEC program (not 08125, 08128, 08040 or 08072) who are taking this course as a complementary should register for course number 320-BWS-03.

*Students in the Social Science program cannot use this course as a complementary.

GERMAN**German I**

609-111-DW | 45 hours

No prerequisite

609-BWL-03* | 45 hours

Complementary course number*

Section 03001 Wednesday 18:00 – 21:00

This course is designed for students who have no prior knowledge of German, formal or informal. The course will develop four basic language skills: speaking, writing, listening comprehension, and reading comprehension. It will focus on basic grammatical structures and vocabulary, controlled and spontaneous expression, oral/written assignments, and an introduction to culture. Language learning will be enhanced through the use of various audiovisual media, as well as additional learning activities in the language lab.

*Students in a DEC program (*not* 08125, 08128, 08040 or 08072) who are taking this course as a complementary should register for course number 609-BWL-03.

HISTORY**Western Civilization**

330-101-DW | 45 hours

No prerequisite

Section 03001 Wednesday 18:30 – 21:30**Section 03002 Tuesday 18:30 – 21:30****Section 03003 Thursday 18:30 – 21:30****Section 03004 Monday 18:30 – 21:30**

This is a required course for all students in the Social Science Program. The course traces the growth of Western Civilization from its roots in the Judeo-Christian and Greco-Roman traditions to the 20th century. Among the major themes covered are the emergence and influence of key intellectual currents, social and political revolution, the development of industrial society, the birth of the nation state, imperialism, totalitarianism, and war in the 20th century. Students are introduced to basic concepts such as historical cause and social change, ethnicity, class, religion, and gender, as well as to the major political ideologies.

20TH Century History

330-214-DW | 45 hours

Prerequisite: Western Civilization 330-101

Section 03001 Monday 18:30 – 21:30

The 20th century was the most turbulent in human history, witnessing wars, revolutions, ethnic conflicts, environmental disasters and dramatic changes in the lives of almost all groups throughout the world. Themes that may be emphasized in this course include nationalism, imperialism, racism, anti-Semitism, World War I and the rise of totalitarian regimes, communism and fascism, World War II and the Holocaust, anti-colonial struggles, the Cold War and the collapse of communism, and the spread of religious fundamentalism and terrorism.

Applied U.S. History

330-306-DW | 45 hours

Prerequisite: Western Civilization 330-101

Section 03001 Tuesday 18:30 – 21:30

This course investigates specific themes in the history of the United States. Specific topics could include the colonization of Indigenous nations and subsequent resistance, the American Revolution and the early days of the American Republic. In examining the political, social and economic evolution of the US, topics that may be highlighted include the territorial and economic expansion of the country, and the issue of race relations from slavery through to the KKK and the modern civil rights movement. In analyzing the changing role of government, topics could include the Great Depression, and American foreign relations including wars and the policies of the Cold War.

HUMANITIES

The sequence of courses is 345-101-MQ (formerly 345-103-04), 345-102, 345-BXH.

Knowledge

345-101-MQ | 60 hours

(formerly 345-103-04)

No prerequisite

Section 03001 Wednesday 18:00 – 22:00

Section 03002 Monday 18:00 – 22:00

Section 03003 Thursday 18:00 – 22:00

Section 03004 Tuesday 18:00 – 22:00

Section 03005 Tuesday 18:00 – 22:00

Section 03006 Wednesday 18:00 – 22:00

Section 03007 Monday 18:00 – 22:00

Section 03008 Thursday 18:00 – 22:00

For the Knowledge courses the common learning objectives are: to recognize the basic elements of a form of knowledge; to define the modes of organization and utilization of a form of knowledge; to situate a form of knowledge within its historical context; to organize the main components into coherent patterns; and to produce a synthesis of the main components. Each group/section focuses on a particular area of interest.

Students who have passed a *Philosophie* course 340-xxx-xx at a French CEGEP should check with an Academic Advisor before registering for this course.

World Views

345-102-MQ | 45 hours

Prerequisite: 345-101

Section 03001 Tuesday 18:30 – 21:30

Section 03002 Thursday 18:30 – 21:30

Section 03003 Monday 18:30 – 21:30

Section 03004 Wednesday 18:30 – 21:30

Section 03005 Monday 18:30 – 21:30 (on reserve)

In the World Views courses the common learning objectives are: to describe world views; to explain the major ideas, values, and implications of world views; to organize the ideas, values and experiences of a world view into coherent patterns; and to compare world views. Each group/section focuses on a particular area of interest.

Students who have passed a *Philosophie* course 340-xxx-xx at a French CEGEP should check with an Academic Advisor before registering for this course.

Applied Themes in Humanities: Ethical Issues

345-BXH-DW | 45 hours

Prerequisite: 345-101 or 345-103 and 345-102

Section 03001 Wednesday 18:30 – 21:30

Section 03002 Thursday 18:30 – 21:30

Section 03003 Tuesday 18:30 – 21:30

In the Ethical Issues courses students will learn: to situate significant ethical issues in relation to their appropriate world views and forms of knowledge; to explain the major ideas, values, and social implications of these ethical issues; to organize ethical questions and their implications into coherent patterns; and to debate ethical issues. Each group/section focuses on a particular area of interest.

Students who have passed a *Philosophie* course 340-xxx-xx at a French CEGEP should check with an Academic Advisor before registering for this course.

INTEGRATIVE SEMINAR

Integrative Seminar

300-308-DW | 60 hours

300-303-DW | 45 hours

Prerequisite: Research Methods 300-300-DW and Quantitative Methods 360-300-DW

Section 03001 Friday 18:00 – 22:00

Section 03002 Friday 18:00 – 22:00 - NEW

The Integrative Seminar is for students planning to complete a DEC in Social Science *this semester*. You must be preregistered in this course by an Academic Advisor. Please send an email to conted@dawsoncollege.qc.ca with your Dawson student number if you require this course for graduation this semester.

Students in the Social Science Program take this course in their final term after having passed Research Methods (300-300-DW) and Quantitative Methods (360-300-DW). The Integrative Seminar provides the student with an opportunity to consider how the various social sciences can work together to contribute to understanding social phenomena. Using multiple social science disciplines, students will explore a topic related to the seminar theme in a series of distinct stages, ultimately producing a long essay on this exploration. This integrative project will address some of the linkages and differences among social sciences and show how their combined use makes for a deeper understanding of the selected topic. Approximate cost of materials: \$0-\$75.

ITALIAN

Italian I

608-111-DW | 45 hours

No prerequisite

608-BWL-03* | 45 hours

Complementary course number*

Section 03001 Monday 18:00 – 21:00

This course is designed for students who have no prior knowledge of Italian, formal or informal. The course will develop four basic language skills: speaking, writing, listening comprehension and reading comprehension. It will focus on basic grammatical structures and vocabulary, controlled and spontaneous expression, oral/written assignments, and an introduction to culture. Language learning will be enhanced through the use of various audiovisual media, as well as learning activities in the language lab. Approximate cost of textbook: \$125. (eBook \$105).

*Students in a DEC program (*not* 08125, 08128, 08040 or 08072) who are taking this course as a complementary should register for course number 608-BWL-03.

MATHEMATICS

The sequence of courses is 201-016 (formerly 201-013 or 201-007), 201-015 (formerly 201-009), 201-NYA, 201-NYB or 201-NYC. See the chart on page 36.

Remedial Activities for Secondary IV Mathematics

201-016-RE | 75 hours

(formerly 201-013-50)

Prerequisite: High School Mathematics 563-404 or 563-414 or H.S. Mathematics 416 or 504 or 514 or 574 or H.S. Mathematics 426 taken in the regular day sector prior to 2011 or taken in the Adult Education sector, or equivalent

Section 03001 Mon. & Wed. 18:00 – 20:30

Section 03002 Tues. & Thurs. 18:00 – 20:30

Section 03003 Saturday 9:00 – 14:00

Section 03004 Tues. & Thurs. 18:00 – 20:30

Section 03005 Mon. & Wed. 18:00 – 20:30

Section 03006 Saturday 9:00 – 14:00

Section 03007 Saturday 9:00 – 14:00 (on reserve)

*This course can serve as a prerequisite for programs requiring Mathematics 406 or 436. It does not replace the Mathematics required for general admission to CEGEP. This course introduces the fundamental operations with algebraic expressions, including products, factoring, long division, combining fractions, laws of exponents and radicals. Linear equations and inequalities in one or two unknowns and quadratic equations are included and their graphing with computer software is introduced. The quadratic formula, introduction to triangle trigonometry and word problem applications are also included. This course prepares students for Remedial Activities for Sec. V Mathematics 201-015. Text: *Sabetghadam, Noushin. Remedial Activities for Secondary IV Mathematics. DC Printing. Approx. \$23 (also available online in pdf file)**

Remedial Activities for Secondary V Mathematics

201-015-RE | 90 hours

Prerequisite: High School Mathematics 564-406 or 565-406 or 564-426 or 565-426 or H.S. Mathematics 436 or 526 or CEGEP Mathematics 201-016 or equivalent

Section 03001 Mon. & Wed. 18:00 – 21:00

Section 03002 Tues. & Thurs. 18:00 – 21:00

Section 03003 Fri. 18:00 – 21:00 & Sat. 11:00 – 14:00

Section 03004 Mon. & Wed. 18:00 – 21:00

This course prepares students for college-level mathematics and can be used as a prerequisite for programs requiring Mathematics 506 or 536. This course includes different types of functions such as exponential, logarithmic, quadratic, square-root, rational and piece-wise functions, composition and inverse of functions, equations, area and volume, vectors and trigonometry. Text: McArthur, George. Remedial Activities for Sec. V Math (Functions & Trigonometry). DC Printing. Approx. \$24 (also available online in pdf file)

Calculus I

(Social Science/Commerce)

201-103-DW | 75 hours

Prerequisite: High School Sec. V Mathematics – Technical & Scientific option or Science option 564-506 or 565-506 or CEGEP Mathematics 201-015 or equivalent

Section 03001 Mon. & Wed. 18:00 – 20:30

Section 03002 Tues. & Thurs. 18:00 – 20:30

*Please note: Students who plan to take Calculus II in Continuing Education at Dawson College should register for Calculus I course 201-NYA-05 and **not** 201-103-DW Calculus I (Social Science/Commerce).*

This course focuses on limits and continuity; the derivative and techniques of differentiation; applications of the derivative to the social sciences including curve sketching, related rates and optimization problems. This course is not a substitute for Mathematics 201-NYA-05. Text: S.T. Tan. Applied Calculus for the Managerial, Life, and Social Sciences. 10th ed. Cengage. Approx. \$112

Calculus I

201-NYA-05 | 75 hours

Prerequisite: High School Sec. V Mathematics – Technical & Scientific option or Science option 564-506 or 565-506 or CEGEP Mathematics 201-015 or equivalent

Section 03001 Mon. & Wed. 18:00 – 20:30

Section 03002 Tues. & Thurs. 18:00 – 20:30

Section 03003 Saturday 9:00 – 14:00

Section 03004 Saturday 9:00 – 14:00

Section 03005 Tues. & Thurs. 18:00 – 20:30 (on reserve)

*Please note: Students who plan to take Calculus II in Continuing Education at Dawson College should register for Calculus I course 201-NYA-05 and **not** 201-103-DW Calculus I (Social Science/Commerce).*

This course includes limits and continuity, differentiation, applications of the derivative to curve sketching, maximum and minimum word problems and related rates problems, anti-differentiation and the indefinite integral. Text: Stewart, James. Single Variable Calculus. 2nd ed. Cengage. Approx. \$148.

Calculus II

201-NYB-05 | 75 hours

Prerequisite: Calculus I 201-NYA or equivalent

Section 03001 Saturday 9:00 – 14:00

Section 03002 Tues. & Thurs. 18:00 – 20:30

Section 03003 Mon. & Wed. 18:00 – 20:30

Students who require 201-203 or 201-204 may take this course only if they have completed 201-NYA.

This course offers further topics on the definite integral and its applications, techniques of integration, indeterminate forms and l'Hôpital's Rule, improper integrals, convergence of infinite series. Text: Stewart, James. Single Variable Calculus. 2nd ed. Cengage. Approx. \$148.

Linear Algebra

201-NYC-05 | 75 hours

Prerequisite: High School Sec. V Mathematics – Technical & Scientific option or Science option 564-506 or CEGEP Mathematics 201-015 or equivalent
Recommended: Calculus I 201-NYA

Section 03001 Mon. & Wed. 18:00 – 20:30

Section 03002 Saturday 9:00 – 14:00

Section 03003 Saturday 9:00 – 14:00 (on reserve)

This course includes the study of systems of linear equations and elementary operations, matrices and determinants, vectors, lines, planes and vector spaces. *Text: Anton, Howard. Elementary Linear Algebra Custom ed. Wiley. Approx. \$72*

PHILOSOPHY

Introduction to Philosophy

340-101-DW | 45 hours

No prerequisite

340-BWS-03* | 45 hours

Complementary course number*

Section 03001 Thursday 18:30 – 21:30

Section 03002 Tuesday 18:30 – 21:30

This course will trace the development of Philosophy from its roots in Ancient Greece to on-going questions in contemporary philosophy. Major topics such as truth, justice, freedom and responsibility will be covered while always keeping in mind the interests of the subject and the individual experience of the world. In a broad sense, this course explores the human condition, and the ways humans have tried to understand themselves and define their possibilities. As this is an introductory course, students will also be taught the philosophical fundamentals of sound argumentation. By the end of the course, students will have an understanding of the history of philosophy, the basic questions and problems of philosophy, and a sense of the relevance and necessity of the tradition. Please note that this course does not replace the 340-101-MQ course offered in francophone cegeps as part of the General Education component.

*Students in a DEC program (*not* 08125, 08128, 08040 or 08072) who are taking this course as a complementary should register for course number 340-BWS-03.

*Students in the Social Science program cannot use this course as a complementary.

PHYSICAL EDUCATION

Physical Activity and Health: Fitness

109-101-MQ | 30 hours

No prerequisite

Section 03001 Thursday 19:00 – 21:00

Section 03002 Wednesday 19:00 – 21:00

Students will be introduced to the theory and practice of a variety of training methods designed to maintain or improve the health components of fitness: cardiovascular endurance, body composition, muscular endurance, muscular strength, and flexibility. Students will examine the effects that are derived from participation in regular physical activity and identify appropriate activity options based on their interests, needs and abilities. The motivational factors that affect students' participation in regular and sufficient physical activity will be explored. Students will also examine their personal lifestyle habits in order to gain a better understanding of the effects these behaviours have on their health.

Physical Activity and Effectiveness: Fundamental Skills for Sport

109-102-MQ | 30 hours

No prerequisite

Section 03001 Tuesday 19:00 – 21:00

This course will introduce students to fundamental movement skills and provides the opportunity to develop the necessary skills needed for effective movement. The skills are practiced in the fitness room. Use of equipment such as plyometric boxes, Swiss balls and BOSU, free weights and machines, bars, elastics, TRX, and ladders will be covered.

Physical Activity and Effectiveness: Weight Training Skills

109-102-MQ | 30 hours

No prerequisite

Section 03002 Friday 19:00 – 21:00

This introductory course teaches practical skills, safety guidelines, techniques, basic principles and mental aspects of weight training. Over fifty exercises are practiced using a variety of training systems including supersets, drop sets, pyramid sets, negatives, etc. Theoretical and practical principles of physical skill acquisition and goal-setting procedures will be covered.

Physical Activity and Autonomy: Fitness Activities

109-103-MQ | 30 hours

Prerequisite: 109-101 and 109-102

Section 03001 Monday 19:00 – 21:00

Section 03002 Friday 19:00 – 21:00

In this course students will participate in a variety of wellness activities designed to improve each student's general fitness level in the areas of cardiovascular endurance, muscular endurance, strength, flexibility and body composition. Principles of training and the development of a personally effective and safe fitness program will be emphasized. In addition to participating in class activities, students will plan and carry out an individualized fitness program outside of class time, within their own personal schedule.

PHYSICS

The sequence of courses is 203-001-RE, 203-NYA-05, 203-NYC-05 and 203-NYB-05. Students with no physics background must take Remedial Activities for Secondary IV Environmental Science and Technology (105-003). See the chart on page 36.

Remedial Activities for Secondary V Physics

203-001-RE | 75 hours

Prerequisite: High School Science 558-404 or 402 or Physical Science 436 or CEGEP 105-003 or equivalent as well as High School Mathematics 564-406 or 565-406 or 564-426 or 565-426 or H.S. Mathematics 436 or 526 or CEGEP Mathematics 201-016 or equivalent

Recommended: High School Mathematics 506 or 536 or CEGEP 201-015 or equivalent

Section 03001 Tues. & Thurs. 18:00 – 19:30, Tuesday Lab 19:30 – 21:30

Section 03002 Mon. & Wed. 18:00 – 19:30, Wednesday Lab 19:30 – 21:30

Section 03003 Tues. & Thurs. 18:00 – 19:30, Thursday Lab 19:30 – 21:30

This course is required for all science students who have either not taken, or have not passed, the High School Physics course 553-504. The content is very close to that of Physics 504 and covers the fundamental principles of classical mechanics and geometrical optics. Topics include: free fall, the effects of forces, friction, work and energy in classical mechanics, as well as reflection, refraction, lenses, and mirrors in geometrical optics.

Note: This course prepares students for college-level Physics and does not count towards graduation.

Mechanics

203-NYA-05 | 75 hours

Prerequisite: High School Physics 504 or 534 or CEGEP Physics 203-001 or equivalent as well as High School Mathematics 506 or 536 or equivalent e.g., 201-015

Corequisite: Calculus I 201-NYA

Section 03001 Tues. & Thurs. 18:00 – 19:30, Tuesday Lab 19:30 – 21:30

Section 03002 Mon. & Wed. 18:00 – 19:30, Wednesday Lab 19:30 – 21:30

Section 03003 Mon. & Wed. 18:00 – 19:30, Monday Lab 19:30 – 21:30 (on reserve)

Topics include: kinematics in one and two dimensions, uniform circular motion, Newton's laws, gravitation, friction, work, energy and power, collisions and conservation of momentum, rotational kinematics and dynamics, torque, angular momentum, and moment of inertia. Approximate cost of textbook: \$75-\$90.

Waves, Optics and Modern Physics

203-NYC-05 | 75 hours

Prerequisite: Mechanics 203-NYA and Calculus I 201-NYA

Corequisite: Calculus II 201-NYB

Section 03001 Mon. & Wed. 18:00 – 19:30, Monday Lab 19:30 – 21:30

Topics include: simple harmonic motion, damping, forced oscillations and resonance, waves in material media (including sound waves), beats and the Doppler effect, geometrical and physical optics, introduction to modern physics. Approximate cost of textbook: \$75-\$90.

Electricity and Magnetism

203-NYB-05 | 75 hours

Prerequisite: Mechanics 203-NYA and Calculus I 201-NYA

Corequisite: Calculus II 201-NYB

Recommended: Waves, Optics and Modern Physics 203-NYC

Section 03001 Tues. & Thurs. 18:00 – 19:30, Tuesday Lab 19:30 – 21:30

Section 03002 Mon. & Wed. 18:00 – 19:30, Monday Lab 19:30 – 21:30 (on reserve)

Topics include: electrostatics, Coulomb's Law, electric field and potential, lines of force and equipotentials, Gauss's Law, capacitors and dielectrics, DC circuits, the magnetic field, the laws of Biot-Savart and Ampère, magnetic force on moving charges and currents, torque on current loop, electromagnetic induction and Faraday's Law, inductance, energy density of electric and magnetic fields. Approximate cost of textbook: \$75-\$90.

POLITICAL SCIENCE

Introduction to Politics

385-101-DW | 45 hours

No prerequisite

385-BWS-03* | 45 hours

Complementary course number*

~~Section 03001 Wednesday 18:30 – 21:30 – CANCELLED~~

Section 03002 Tuesday 18:30 – 21:30

This course is designed to provide students with an introduction to political science as a disciplined, scientific study of political behaviour. Students will acquire an understanding of key political concepts used to explain how societies are organized for the purpose of establishing order, providing collective defense, mobilizing resources for common goals and values, and providing mechanisms for the resolution of conflict. In short, the course is about how people govern themselves.

*Students in a DEC program (not 08125, 08128, 08040 or 08072) who are taking this course as a complementary should register for course number 385-BWS-03.

*Students in the Social Science program cannot use this course as a complementary.

PSYCHOLOGY

General Psychology

350-101-DW | 45 hours

No prerequisite

Section 03001 Monday 18:30 – 21:30

Section 03002 Tuesday 18:30 – 21:30

Section 03003 Wednesday 18:30 – 21:30

Section 03004 Thursday 18:30 – 21:30

Section 03005 Monday 18:30 – 21:30 (on reserve)

Section 03006 Tuesday 18:30 – 21:30 (on reserve)

This is the first course in the discipline for students and a requirement for all students in the Social Science and Commerce programs. It is a requirement for admission to most university psychology programs. The course is designed to acquaint students with the principles and methods of psychology and to expose them to the various areas encompassed by the field. Approximate cost of textbook: \$70-\$75.

Abnormal Psychology

350-211-DW | 45 hours

Prerequisite: General Psychology 350-101

Section 03001 Wednesday 18:30 – 21:30

This course will explore misconceptions about mental illness and show how notions of mental health and mental illness can be relative. The development and current status of various theoretical perspectives will be examined, with special emphasis on approaches favored today. The course will also look at treatments in the field of mental health. Approximate cost of textbook: \$100. Approximate cost of textbook: \$100 (less for e-books).

Interaction and Communication

350-302-DW | 45 hours

Prerequisite: General Psychology 350-101

Section 03001 Monday 18:30 – 21:30

Interaction and Communication is designed to allow students to examine the principles and methods of effective interpersonal communication. We study, among other things, verbal and nonverbal communication, people perceptions, interpersonal relationships, and effective conflict resolution and strategies. Students experience activities in small groups that allow and encourage them to assimilate and apply new concepts and strategies to life situations. Approximate cost of textbook: \$100 (less for e-books).

Human Sexual Behaviour

350-306-DW | 45 hours

Prerequisite: General Psychology 350-101

Section 03001 Thursday 18:30 – 21:30

Section 03002 Wednesday 18:30 – 21:30

This course deals with human sexual development and response patterns. The course addresses itself to the psychological, physiological and socio-cultural factors shaping and influencing human sexual behavior. Topics will include anatomy and physiology of the sexual response system, development of sexuality and of gender and orientation identity, sexual response patterns, relationships, sexual difficulties, sexual coercion and more. Approximate cost of textbook: \$55-\$145 (less for e-books).

Advanced Studies in Psychology

350-401-DW | 45 hours

Prerequisite: 350-2XX or 350-3XX

Section 03001 Tuesday 18:30 – 21:30

Fourth level courses in Psychology are offered under Advanced Studies in Psychology. Each course focuses on a particular area of interest in psychology. In order to fulfill the competency in this course, students will engage in developing a project to advance their knowledge in a particular topic. No textbook needed for this course.

QUANTITATIVE METHODS

Quantitative Methods

360-300-DW | 60 hours

Prerequisite: Research Methods 300-300

Section 03001 Friday 18:00 – 22:00

This is the second of the three methodology courses. It builds on the introduction to social science research covered in Research Methods. This course teaches students to apply statistical tools to the interpretation of data related to contexts of study in the field of social science. The focus of the course is on the analysis of quantitative data as part of the scientific approach. Areas examined are identification of variables, presentation of data, analysis of data using various forms of measurement, determining the nature and link between variables, and estimating the parameters of a given population based on the corresponding statistics obtained from a sample. Approximate cost of textbook and materials: \$65 - \$120.

RELIGION**Introduction to World Religions**

370-102-DW | 45 hours

No prerequisite

370-BWS-03* | 45 hours

Complementary course number*

Section 03001 Thursday 18:30 – 21:30

This course introduces students to the major elements of religion. It maps religious diversity by surveying the places and spaces that at least two major religious traditions regard as sacred. It investigates prominent aspects of both personal spirituality and the relationship between religion and society by analyzing selected ritual practices, symbolic representations (in art and decoration), texts, beliefs and social structures. This course will also introduce students to some major theorists of religion and some methods for analyzing selected religious phenomena. Estimated cost of materials: \$25-\$70

*Students in a DEC program (*not* 08125, 08128, 08040 or 08072) who are taking this course as a complementary should register for course number 370-BWS-03.

*Students in the Social Science program cannot use this course as a complementary.

RESEARCH METHODS**Research Methods**

300-300-DW | 60 hours

No prerequisite

Section 03001 Thursday 18:00 – 22:00**Section 03002 Monday 18:00 – 22:00****Section 03003 Tuesday 18:00 – 22:00**

This is the first of the three methodology courses and is normally taken in the student's second term of the program. The goal of the course is to apply the scientific approach to the various social science disciplines. Students identify a research problem and follow the steps to select a research method appropriate to the problem, produce a data collection tool, collect, analyze and interpret the data. The culmination of the process is a research report that presents the research steps in the context of a brief literature review of the topic. Approximate cost of textbook and materials: \$65-\$130.

SECONDARY IV SCIENCE**Remedial Activities for Secondary IV Environmental Science and Technology**

105-003-RE | 75 hours

(formerly 982-003-50)

Prerequisite: High School Science 555-404 or 555-444 or 557-406 or 557-416 or High School Physical Science 416 or equivalent

Recommended: High School Mathematics 564-406 or 565-406 or 564-426 or 565-426 or H.S. Mathematics 436 or 526 or CEGEP Mathematics 201-016 or equivalent

Section 03001 Tues. & Thurs. 17:30 – 19:45, Tuesday Lab (5 weeks) 19:00 – 22:00**Section 03002 Tues. & Thurs. 17:30 – 19:45, Thursday Lab (5 weeks) 19:00 – 22:00****Section 03003 Mon. & Wed. 17:30 – 19:45, Wednesday Lab (5 weeks) 19:00 – 22:00****Section 03004 Mon. & Wed. 17:30 – 19:45, Monday Lab (5 weeks) 19:00 – 22:00****Section 03005 Tues. & Thurs. 17:30 – 19:45, Tuesday Lab (5 weeks) 19:00 – 22:00 (on reserve)****Section 03006 Tues. & Thurs. 17:30 – 19:45, Thursday Lab (5 weeks) 19:00 – 22:00 (on reserve)**

This course corresponds to the optional High School course Environmental Science and Technology 558-404. It is designed for students who have not taken the course Environmental Science and Technology (558-404) or Physical Science 436 or 982-003. The course examines genetic principles and continues the study of the behaviour of matter and the transformation of energy. At the end of this course the student will be able to explain the properties of matter and the periodic table, solve problems involving chemical changes and nuclear transformations, solve problems by using the laws of electricity and electromagnetism and the transformation of energy, describe the basic characteristics related to genetics and verify several scientific laws and principles experimentally. *Textbook package: Hewitt and Simon. Secondary IV Science 982-003-50/105-003-RE. Pearson Custom Edition. Electronic copy available online. Approx. \$50. Lab Manual: Remedial Activities for Secondary 4 Science provided electronically.*

Note: This course prepares students for 202-001-RE (Remedial Activities for Secondary V Chemistry) and 203-001-RE (Remedial Activities for Secondary V Physics). It can be used as a prerequisite for programs requiring Environmental Science and Technology (558-404). It **CANNOT** be used for the high school Environmental Science and Technology (558-404) or Science of the Environment (558-402) graduation requirements.

SOCIOLOGY**Individual and Society****387-101-DW** | 45 hours

No prerequisite

387-BWS-03* | 45 hours

Complementary course number*

Section 03001 Tuesday 18:30– 21:30**Section 03002** Wednesday 18:30 – 21:30**Section 03003** Thursday 18:30 – 21:30 (on reserve)

The main objective of this course is to introduce students to the basic concepts and frames of reference of sociological investigation and interpretation. Topics for discussion include culture, social organization, socialization, interaction, deviance, gender, social stratification and the problems of social inequality. The course will attempt to provide students with a scientific view of the social worlds of which they are a part.

*Students in a DEC program (*not* 08125, 08128, 08040 or 08072) who are taking this course as a complementary should register for course number 387-BWS-03.

*Students in the Social Science program cannot use this course as a complementary.

Social Problems**387-201-DW** | 45 hours

Prerequisite: Individual and Society 387-101

Section 03001 Monday 18:30 – 21:30

Social problems are those activities, events, or conditions that disturb or concern some people enough that they would like to see them changed. Examples include crime, poverty, suicide, unemployment or gender inequality. This course examines the circumstances which give rise to social problems, how social problems differ from personal problems, and the connections between social problems and social change.
