

# FALL 2020 ONLINE 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** Wednesday 18:30 – 21:30

**Section 03003** Monday 18:30 – 21:30

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

A number of courses are offered under TOPICS IN ANTHROPOLOGY (Analysis). Each 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; behavioral biology: sensory ethnography; visual anthropology.

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## **BIOLOGY**

### **General Biology I**

101-NYA-05 | 75 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

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

**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., Biology, 2<sup>nd</sup> Canadian ed., Pearson. Approx. \$180 (eBook \$115)*

*\*Presence at the College may be required for some activities but only if we are authorized to do so by the Ministry of Education and using appropriate safety measures. Those activities will be conducted according to the protocols established by public health officials.*

## Human Anatomy and Physiology

101-BZH-05 | 75 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

Prerequisite: General Biology I 101-NYA

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

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 & Physiology, 12<sup>th</sup> ed., Pearson Canada. Approx. \$170 (eBook \$76)*

## Human Biology (Social Science)

101-921-DW | 45 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

No prerequisite

**Section 03001 Tuesday 18:30 – 20:00, Tuesday Lab 20:00 – 21:30**

**Section 03002 Thursday 18:30 – 20:00, Thursday Lab 20:00 – 21:30**

**Section 03003 Saturday 9:00 – 10:30, Saturday Lab 10:30 – 12:00**

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: Concepts, Applications and Issues. 6th ed. Pearson Education. Loose-leaf ed. 2017 Approx. \$110 (eBook \$75)*

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

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## BUSINESS ADMINISTRATION

### Introduction to Business

401-101-DW | 45 hours

No prerequisite

401-BWS-DW\* | 45 hours

Complementary course number\*

**Section 03001 Tuesday 18:00 – 21:00**

**Section 03002 Monday 18:00 – 21:00**

**Section 03003 Wednesday 18:00 – 21:00**

**Section 03004 Thursday 18:00 – 21:00**

**Section 03005 Tuesday 18:00 – 21:00**

**Section 03006 Monday 18:00 – 21:00 - CLOSED**

*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. *Text: Solomon et al. Better Business, Custom edition for Dawson College. Pearson. ISBN: 978-1-3236301-3-6. Approx. \$85*

\*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.

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## International Business

401-205-DW | 45 hours

Prerequisite: Introduction to Business 401-101

### Section 03001 Wednesday 18:00 – 21:00

The International Business course offers a small window to the expanded world of international business. International business has undergone dramatic changes in the past decade, and the academic discipline has evolved in response to these changes. The course aims to introduce students to the fundamentals of international trade and investment and to expose students to the complexities of the international business environment (economic, legal, political, cultural and technological). It will also familiarize students with the influential players on the international business scene (multinational corporations, governments and international organizations) and develop an international perspective. *Text: Approx. \$100*

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## 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, 3<sup>rd</sup> ed., Paladin Publications, 2012 ISBN: 978 0986 932212. Approx. \$70*

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## 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 34.

### Remedial Activities for Secondary V Chemistry

202-001-RE | 75 hours **\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.**

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, Wednesday Lab (10 weeks) 19:00–22:00**

**Section 03006 Mon. & Wed. 17:30 – 19:00, Monday Lab (10 weeks) 19:00 – 22:00**

**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, 2<sup>nd</sup> Custom ed., Nelson Canada. Approx. \$145. Lab manual approx. \$15.*

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

*\*Presence at the College may be required for some activities but only if we are authorized to do so by the Ministry of Education and using appropriate safety measures. Those activities will be conducted according to the protocols established by public health officials.*

## General Chemistry

**202-NYA-05** | 75 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

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** 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

**Section 03003** Mon. & Wed. 17:30 – 19:00, Wednesday Lab (10 weeks) 19:00 – 22:00

**Section 03004** Mon. & Wed. 17:30 – 19:00, Monday 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

**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 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, 10<sup>th</sup> ed., Nelson Canada. Approx. \$170. Lab manual \$12*

## Chemistry of Solutions

**202-NYB-05** | 75 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

Prerequisite: Chemistry 202-NYA

Recommended: Calculus I 201-NYA

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

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

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, 10<sup>th</sup> ed., Nelson Canada. Approx. \$170. Lab manual approx. \$15.*

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## CINEMA/COMMUNICATIONS

### Cinema and Culture

**530-914-DW** | 45 hours

No prerequisite

**530-BWA-03\*** | 45 hours

Complementary course number\*

**Section 03001** Monday 18:30 – 21:30

**Section 03002** Tuesday 18:30 – 21:30

This course addresses the cultural significance of film and related media. Students will view a range of films, from historical to contemporary, including foreign and independent films, and learn how to interpret and analyze the social and cultural values expressed. This course is intended to raise cultural awareness through aesthetic, critical and interdisciplinary examination of films from a wide array of diverse cultures.

\*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.

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## COMPUTER SCIENCE

### Introduction to Computers

**420-BWC-03** | 45 hours

No prerequisite

**Section 03001** Monday 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.

*\*Presence at the College may be required for some activities but only if we are authorized to do so by the Ministry of Education and using appropriate safety measures. Those activities will be conducted according to the protocols established by public health officials.*

## Web Site Creation

420-BXC-03 | 45 hours

No prerequisite

**Section 03001** Tuesday 18:30 – 21:30

**Section 03002** Wednesday 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, color, 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.

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## 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.

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## 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** Tuesday 18:30 – 21:30

**Section 03004** Monday 18:30 – 21:30

**Section 03005** Friday 18:30 – 21:30

**Section 03006** Wednesday 18:30 – 21:30 (on reserve)

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: \$120

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### Microeconomics

383-201-DW | 45 hours

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

**Section 03001** Tuesday 18:30 – 21:30

**Section 03002** 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: \$130

*\*Presence at the College may be required for some activities but only if we are authorized to do so by the Ministry of Education and using appropriate safety measures. Those activities will be conducted according to the protocols established by public health officials.*

## 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: \$130

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## ENGLISH

Students who have not completed an English course at Dawson College, or an English course at the 101 level at another English CEGEP, must do a placement test before their registration date. Please see page 8. 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

### Section 03001 Wednesday 18:00 – 22:00

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

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 8

### Section 03001 Tuesday 18:00 – 22:00

### Section 03002 Thursday 18:00 – 22:00

### Section 03003 Wednesday 18:00 – 22:00

### Section 03004 Monday 18:00 – 22:00

### Section 03005 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 8

### Section 03006 Tuesday 18:00 – 22:00

### Section 03007 Monday 18:00 – 22:00

### Section 03008 Wednesday 18:00 – 22:00

### Section 03009 Thursday 18:00 – 22:00

### Section 03010 Monday 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.

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## Introduction to College English

603-101-MQ | 60 hours

Prerequisite: placement test - see page 8

**Section 03011** Tuesday 18:00 – 22:00

**Section 03012** Wednesday 18:00 – 22:00

**Section 03013** Monday 18:00 – 22:00 (on reserve)

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** Thursday 18:00 – 22:00

**Section 03002** Wednesday 18:00 – 22:00

**Section 03003** Monday 18:00 – 22:00

**Section 03004** Tuesday 18:00 – 22:00

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** Monday 18:00 – 22:00

**Section 03002** Thursday 18:00 – 22:00

**Section 03003** Tuesday 18:00 – 22:00

**Section 03004** Wednesday 18:00 – 22:00

**Section 03005** Wednesday 18:00 – 22:00 (on reserve)

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** Tuesday 18:00 – 22:00

**Section 03002** Monday 18:00 – 22:00

**Section 03003** Thursday 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 Tuesday 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.

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### **Introduction to Painting**

**511-914-DW** | 45 hours

No prerequisite

**511-BXA-03\*** | 45 hours

Complementary course number\*

**511-914-DW Section 03001 Wednesday 18:30 – 21:30**

**511-BXA-03 Section 03003 Wednesday 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.

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### **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 20<sup>th</sup> 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.

*\*Presence at the College may be required for some activities but only if we are authorized to do so by the Ministry of Education and using appropriate safety measures. Those activities will be conducted according to the protocols established by public health officials.*

## 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**

**Section 03002 Tuesday 18:30 – 21:30 (on reserve)**

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-BXA-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 not completed a French course at Dawson College or at another public English CEGEP, and have not passed Sec. V French in the last three years, must write a placement test before registering. See page 8

Block A - 1 course only	Block B - 1 course only		
	Creative Arts & related technology programs	Social Science & related technology programs	Science & related technology programs
<sup>1</sup> 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
<sup>1</sup> Some students may be required to take additional courses before qualifying for 602-100 (Basic French).			
	<b>Last course passed</b> 602-011 or 602-FRA 602-006 or 602-03B 602-007 or 602-005 or 602-04B or 602-FRB 602-008 or 602-009 602-10_	→ → → → →	<b>Next course</b> 602-FRB or 602-03B 602-04B 602-008 602-100 602-BX_ (See chart above)

## Pratique du français langue seconde 1 et 2

602-FRA-DW | 90 hours **\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.**

(formerly 602-011-50)

Prerequisite: placement test - see page 8

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

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. Approximate cost of materials: \$50

## Pratique du français langue seconde 3 et 4

602-FRB-DW | 90 hours **\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.**

(formerly 602-005-50)

Prerequisite: 602-FRA or 602-011 or placement test - see page 8

**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. Approximate cost of materials: \$50

*\*Presence at the College may be required for some activities but only if we are authorized to do so by the Ministry of Education and using appropriate safety measures. Those activities will be conducted according to the protocols established by public health officials.*

## Pratique du français langue seconde 4

602-04B-DW | 45 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

(formerly 602-007-50)

Prerequisite: 602-03B or 602-006 or placement test - see page 8

### Section 03001 Monday 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. Approximate cost of materials: \$50

## Mise à niveau pour français, langue seconde de la 5<sup>e</sup> secondaire

602-008-RE | 60 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

Not for students who have passed Sec. V French

Prerequisite: 602-FRB or 602-04B or 602-005 or 602-007 or placement test - see page 8

### Section 03001 Thursday 18:00 – 22:00

### Section 03002 Wednesday 18:00 – 22:00 - CLOSED

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. Approximate cost of materials: \$50.

Note: 602-008 prepares students for college-level French (602-100) and does not count towards a DEC.

## Mise à niveau pour français, accent sur l'écrit

602-009-DW | 60 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

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

Prerequisite: placement - see page 8

### Section 03001 Tuesday 18:00 – 22:00

### Section 03002 Wednesday 18:00 – 22:00 - NEW

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. Approximate cost of materials: \$50.

Note: 602-009 prepares students for college-level French (602-100) and does not count towards a DEC.

## Basic French

602-100-MQ | 45 hours

Block A

Prerequisite: 602-008 or 602-009 or placement - see page 8

### Section 03001 Thursday 18:00 – 21:00

### Section 03002 Wednesday 18:00 – 21:00

### Section 03003 Thursday 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. Approximate cost of materials: \$50

## French Language and Communication

602-101-MQ | 45 hours

Block A

Prerequisite: placement - see page 8

### Section 03001 Thursday 18:00 – 21:00

### Section 03002 Tuesday 18:00 – 21:00

### Section 03003 Monday 18:00 – 21:00 - CLOSED

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. Approximate cost of materials: \$50

*\*Presence at the College may be required for some activities but only if we are authorized to do so by the Ministry of Education and using appropriate safety measures. Those activities will be conducted according to the protocols established by public health officials.*

## French Language and Culture

602-102-MQ | 45 hours

Block A

Prerequisite: placement - see page 8

Section 03001 Thursday 18:00 – 21:00

Section 03002 Tuesday 18:00 – 21:00

Section 03003 Monday 18:00 – 21:00

Section 03004 Wednesday 18:00 – 21:00

Section 03005 Monday 18:00 – 21:00 (en 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. Approximate cost of materials: \$50

## French Culture and Literature

602-103-MQ | 45 hours

Block A

Prerequisite: placement - see page 8

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.

Approximate cost of materials: \$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 Tuesday 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. Approximate cost of materials: \$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 Monday 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. Approximate cost of materials: \$50

*\*Presence at the College may be required for some activities but only if we are authorized to do so by the Ministry of Education and using appropriate safety measures. Those activities will be conducted according to the protocols established by public health officials.*

## 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

602-BXY-DW | 45 hours

Block B – 102 Level – Creative Arts

Prerequisite: 602-102

### Section 03001 Tuesday 18:00 – 21:00

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. Approximate cost of materials: \$50

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## 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 Wednesday 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. Approximate cost of materials: \$50.

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## 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** Thursday 18:30 – 21:30

Section 03002 **Friday** Tuesday 18:30 – 21:30

The main goals of this course are to gain knowledge and skills that are at the core of geography – a multidisciplinary field that crosses the social and physical sciences – and that can be of great value in understanding and navigating our complex and ever-changing world. Whether the focus is a street corner, a country, or an ecosystem, geography is defined by its emphasis on spatial qualities and relationships. To this end, we will use plenty of maps at a variety of scales, from local to global. The course will cover some of the main themes that concern geographers today: cartography, natural cycles and systems, climate change, urban geography, demography, globalization, and the effects of humanity's activity on the human and natural worlds. *Text: [Essential World Atlas \(2012\)](#) 7<sup>th</sup> ed., Oxford University Press. Approx. \$30*

\*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.

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## **HISTORY**

### **Western Civilization**

**330-101-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

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

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. Approximate cost of materials: \$80-\$90. Textbooks are available in the Dawson Library.

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### **Applied Social and Economic History: Empires - Global Economic, Political and Social Dominance**

**330-325-DW** | 45 hours

Prerequisite: Western Civilization 330-101 or 330-910

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

In this course, concrete historical situations will be chosen to explore Empires and their global economic, political and social dominance. The instructor will choose specific topics/themes from concrete historical examples of Empires. These may include ancient empires, indigenous empires in the Americas (for example, Mayan, Inca or Aztec), the European empires that colonized the Americas or the later European colonization of the African continent, much of Asia and the Middle East. Students will learn to assess and interpret the important consequences for the human experience resulting from the impact of social, cultural, political and economic dominance. The competencies include the ability to identify concrete situations related to social, political and cultural themes using historical concepts and approaches, as well as primary and secondary sources.

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## **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** Monday 18:00 – 22:00

**Section 03002** Tuesday 18:00 – 22:00

**Section 03003** Wednesday 18:00 – 22:00

**Section 03004** Thursday 18:00 – 22:00

**Section 03005** Wednesday 18:00 – 22:00

**Section 03006** Monday 18:00 – 22:00

**Section 03007** Thursday 18:00 – 22:00

**Section 03008** Wednesday 18:00 – 22:00

**Section 03009** Thursday 18:00 – 22:00

**Section 03010** Tuesday 18:00 – 22:00

**Section 03011** Monday 18:00 – 22:00

**Section 03012** Thursday 18:00 – 22:00 (on reserve)

**Section 03013** Tuesday 18:00 – 22:00 (on reserve)

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.

*\*Presence at the College may be required for some activities but only if we are authorized to do so by the Ministry of Education and using appropriate safety measures. Those activities will be conducted according to the protocols established by public health officials.*

## World Views

345-102-MQ | 45 hours

Prerequisite: 345-101

**Section 03001** Monday 18:30 – 21:30

**Section 03002** Tuesday 18:30 – 21:30

**Section 03003** Thursday 18:30 – 21:30

**Section 03004** Wednesday 18:30 – 21:30

**Section 03005** Monday 18:30 – 21:30

**Section 03006** Tuesday 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.

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## Applied Themes in Humanities: Ethical Issues

345-BXH-DW | 45 hours

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

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

**Section 03002** Tuesday 18:30 – 21:30

**Section 03003** Wednesday 18:30 – 21:30

**Section 03004** 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.

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## ITALIAN

### Italian I

608-111-DW | 45 hours

No prerequisite

608-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 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: \$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 608-BWL-DW.

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*\*Presence at the College may be required for some activities but only if we are authorized to do so by the Ministry of Education and using appropriate safety measures. Those activities will be conducted according to the protocols established by public health officials.*

## 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 34.

### Remedial Activities for Secondary IV Mathematics

**201-016-RE** | 75 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

(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** Tues. & Thurs. 18:00 – 20:30

**Section 03002** Mon. & Wed. 18:00 – 20:30

**Section 03003** Saturday 9:00 – 14:00

**Section 03004** Mon. & Wed. 18:00 – 20:30

**Section 03005** Tues. & Thurs. 18:00 – 20:30

**Section 03006** Saturday 9:00 – 14:00

**Section 03007** Saturday 9:00 – 14:00

*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. \$20 (also available online in pdf file)*

### Remedial Activities for Secondary V Mathematics

**201-015-RE** | 90 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

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** Mon. & Wed. 18:00 – 21:00

**Section 03004** Tues. & Thurs. 18:00 – 21:00

**Section 03005** Mon. & Wed. 18:00 – 21:00 (on reserve)

*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. \$22 (also available online in pdf file)*

### Calculus I

#### (Social Science/Commerce)

**201-103-DW** | 75 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

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** Tues. & Thurs. 18:00 – 20:30

**Section 03002** Mon. & Wed. 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. Nelson Canada. Approx. \$105*

*\*Presence at the College may be required for some activities but only if we are authorized to do so by the Ministry of Education and using appropriate safety measures. Those activities will be conducted according to the protocols established by public health officials.*

## Probability & Statistics

**201-BZS-05** | 75 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

Prerequisite: Calculus II 201-NYB

### Section 03001 Saturday 9:00 – 14:00

Students will learn about counting problems, probability, random variables, mean, variance and standard deviation, binomial, Poisson and normal distributions, chi-square distribution, descriptive statistics, statistical inferences, tests of hypotheses, estimation of parameters, and linear correlation. *Text: Diez, David et al. OpenIntro Statistics (online textbook) and McArthur, George. Statistics, Content Charts with Exercises. DC Printing, \$15*

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## Calculus I

**201-NYA-05** | 75 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

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 Saturday 9:00 – 14:00 (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 Essential Calculus Early Transcendentals. 2<sup>nd</sup> ed. Nelson Canada. Approx. \$145.*

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## Calculus II

**201-NYB-05** | 75 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

Prerequisite: Calculus I 201-NYA or equivalent

### Section 03001 Saturday 9:00 – 14:00

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

### Section 03003 Saturday 9:00 – 14:00

*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 Essential Calculus Early Transcendentals. 2<sup>nd</sup> ed. Nelson Canada. Approx. \$145.*

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## Linear Algebra

**201-NYC-05** | 75 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

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

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. Approx. \$70*

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*\*Presence at the College may be required for some activities but only if we are authorized to do so by the Ministry of Education and using appropriate safety measures. Those activities will be conducted according to the protocols established by public health officials.*

## 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

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.

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## PHYSICAL EDUCATION

### Physical Activity and Health: Fitness

109-101-MQ | 30 hours

No prerequisite

#### Section 03001 Thursday 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.

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### Physical Activity and Effectiveness: **Fundamental Skills for Sport**

109-102-MQ | 30 hours

No prerequisite

#### Section 03001 Friday 19:00 – 21:00

This introductory course is designed to provide students with the knowledge and tools necessary to learn how to be effective and successful participants in weight training. Basic lifting techniques and principles, safety guidelines and the mental aspects of weight training will be covered. Students will conduct personal assessments of their knowledge and abilities, establish personal goals and plan strategies leading to the improvement of their skills. Over fifty exercises are practiced using a variety of training systems. The ultimate goal is to establish a sense of personal responsibility for learning which will encourage continued participation in a physical activity.

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### Physical Activity and Autonomy: Fitness Activities

109-103-MQ | 30 hours

Prerequisite: 109-101 and 109-102

#### Section 03001 Monday 19:00 – 21:20 **(ends December 14)**

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.

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\*Presence at the College may be required for some activities but only if we are authorized to do so by the Ministry of Education and using appropriate safety measures. Those activities will be conducted according to the protocols established by public health officials.

## 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 34.

### Remedial Activities for Secondary V Physics

**203-001-RE** | 75 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

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, Thursday 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, Tuesday 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. *Text: Knight, Jones and Field, College Physics. Custom edition with Mastering Physics, Pearson. Approx. \$90.*

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

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### Mechanics

**203-NYA-05** | 75 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

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

**Section 03002** Tues. & Thurs. 18:00 – 19:30, Thursday Lab 19:30 – 21:30

**Section 03003** Mon. & Wed. 18:00 – 19:30, Monday Lab 19:30 – 21:30

**Section 03004** Tues. & Thurs. 18:00 – 19:30, Tuesday 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: \$90.

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### Waves, Optics and Modern Physics

**203-NYC-05** | 75 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

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: \$90.

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### Electricity and Magnetism

**203-NYB-05** | 75 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

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

Corequisite: Calculus II 201-NYB

Recommended: Waves, Optics and Modern Physics 203-NYC

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

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: \$90.

*\*Presence at the College may be required for some activities but only if we are authorized to do so by the Ministry of Education and using appropriate safety measures. Those activities will be conducted according to the protocols established by public health officials.*

## Astrophysics

**203-BZA-05** | 75 hours *\*Please note that this course will require some in person activities; more forthcoming information by your teacher during first week of class.*

Prerequisite: Mechanics 203-NYA, Waves, Optics and Modern Physics 203-NYC and Calculus I 201-NYA

**Section 03001** ~~Tues. & Thurs. 18:00 – 19:30, Thursday Lab 19:30 – 21:30~~ - CLOSED

The primary objective is to give the Science student a comprehensive introduction to astronomy and astrophysics, from ancient times to the present. The course will emphasize the logic behind astronomical thinking, rather than the memorization of facts. Classical astronomy will be covered, but more emphasis will be placed on modern astrophysics. Mathematics will be calculus-level. A custom course pack may be used for this course. More information will be given by the teacher during the first week of class.

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## 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

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

**Section 03003** Tuesday 18:30 – 21:30 (on reserve)

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.

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## PSYCHOLOGY

### General Psychology

**350-101-DW** | 45 hours

No prerequisite

**Section 03001** Monday 18:30 – 21:30

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

**Section 03003** Wednesday 18:30 – 21:30

**Section 03004** Tuesday 18:30 – 21:30

**Section 03005** Tuesday 18:30 – 21:30

**Section 03006** Thursday 18:30 – 21:30

**Section 03007** Wednesday 18:30 – 21:30

**Section 03008** Monday 18:30 – 21:30

**Section 03009** Thursday 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.

*\*Presence at the College may be required for some activities but only if we are authorized to do so by the Ministry of Education and using appropriate safety measures. Those activities will be conducted according to the protocols established by public health officials.*

## **Developmental Psychology**

**350-201-DW** | 45 hours

Prerequisite: General Psychology 350-101

### **Section 03001 Monday 18:30 – 21:30**

This course outlines the development of the child and how he/she is influenced by heredity, environment, family, school, and social experiences. Emphasis is placed on the changes that occur in both physical and psychological attitudes during childhood. Discussions also focus on basic concepts and theories related to child development. In addition, developmental processes in adolescence, adulthood, and old age are considered. Approximate cost of textbook: \$110.

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## **Human Sexual Behaviour**

**350-306-DW** | 45 hours

Prerequisite: General Psychology 350-101

### **Section 03001 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: \$100.

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## **Advanced Studies in Psychology**

**350-401-DW** | 45 hours

Prerequisite: 350-2XX or 350-3XX

### **Section 03001 Thursday 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.

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## **QUANTITATIVE METHODS**

### **Quantitative Methods**

**360-300-DW** | 60 hours

Prerequisite: Research Methods 300-300

### **Section 03001 Thursday 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.

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## 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

**Section 03002** Friday 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: \$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.

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## RESEARCH METHODS

### Research Methods

300-300-DW | 60 hours

No prerequisite

**Section 03001** Tuesday 18:00 – 22:00

**Section 03002** Wednesday 18:00 – 22:00

**Section 03003** Monday 18:00 – 22:00

**Section 03004** Wednesday 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-\$100.

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## 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

**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. *Text: Hewitt and Simon. Secondary IV Science 105-003-RE. Pearson Custom Edition. Approx. \$90. Lab Manual: Remedial Activities for Secondary 4 Science \$11*

\*Presence at the College may be required for some activities but only if we are authorized to do so by the Ministry of Education and using appropriate safety measures. Those activities will be conducted according to the protocols established by public health officials.

**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.

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## **SOCIOLOGY**

### **Individual and Society**

**387-101-DW** | 45 hours

No prerequisite

**387-BWS-03\*** | 45 hours

Complementary course number\*

**Section 03001 Monday 18:30– 21:30**

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

**Section 03003 Thursday 18:30 – 21:30**

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. Approximate cost of materials: \$80-\$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 387-BWS-03.

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

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### **Social Deviance**

**387-311-DW** | 45 hours

Prerequisite: Individual and Society 387-101

**Section 03001 Tuesday 18:30 – 21:30**

Social deviance refers to criminal and non-criminal behaviours that evoke negative reactions ranging from mild disapproval to widespread condemnation. This course examines a variety of deviant behaviours, their causes and the responses of various agents of social control, including the police and courts. The major sociological perspectives on deviance serve as a focus for discussion, and particular attention is paid to deviance in contemporary Canadian society.

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## **SPANISH**

### **Spanish I**

**607-111-DW** | 45 hours

No prerequisite

**607-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 Spanish, 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. Approximate cost of textbook:\$45.

\*Students in a DEC program (*not* 08125, 08128, 08040 or 08072) who are taking this course as a complementary should register for course number 607-BWL-DW.

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