

FALL 2024 - CREDIT COURSE SCHEDULE

AUTOMNE 2024 - HORAIRES DES COURS DE CRÉDIT

ANTHROPOLOGY

Introduction to Anthropology

381-1N1-DW | 45 hours

No prerequisite

Section 03001 Monday 18:30 – 21:30

This course is designed to introduce the students to the social science of anthropology. There are four fields of anthropology which help to explain the behaviour of peoples all over the world. The study of these fields will allow the students to learn about the origins and development of human beings in the context of their physical and cultural environments. Students will explore contemporary issues through an anthropological lens. The course will provide the student with the necessary knowledge to pursue more specific or advanced courses in anthropology at either the CEGEP or university level.

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

Section 03002 Mon. & Wed. 17:30 – 19:00, Wednesday 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, 4th Canadian ed., Pearson. Approx. eBook \$120*

Behavioural Biology (Social Science)

101-B11-DW | 45 hours

No prerequisite

Section 03001 Tuesday 18:00 – 19:30, Tuesday Lab 19:30 – 21:00

Section 03002 Thursday 18:00 – 19:30, Thursday Lab 19:30 – 21:00

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

This course introduces Social Science students to the human body from an anatomical, physiological, and behavioural perspective. Students will gain an understanding of the function of cells and how they communicate with each other allowing us to respond to stimuli and maintain health. Emphasis will be on the role of endocrine and nervous-regulated physiological mechanisms and their impact on behaviour. The influence of genetic inheritance on the expression of various physical and behavioural traits will also be explored. The course will consist of lectures, labs, and other learning activities.

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

Ecology and Evolution

101-SN2-RE | 45 hours

No prerequisite

Section 03001 Saturday 9:00 – 10:30, Saturday Lab 10:30 – 12:00

Section 03002 Saturday 9:00 – 10:30, Saturday Lab 10:30 – 12:00 (on reserve)

In this course, students will learn to recognize the characteristics of life, describe how evolution gave rise to diversity, and explain the similarities shared among different life forms. The main groups of organisms will be discussed in terms of their trophic level and ecological importance. Additionally, the structure of ecosystems and flow of chemicals through the environment will be covered. The course will address the impact of human activities on biodiversity and biogeochemical cycles. Labs and/or other activities will complement and further explore topics covered in lectures. Furthermore, students will be required to apply the scientific method to acquire and analyze data. *Text: Reece et al., Campbell Biology, 4th Canadian ed., Pearson. Approx. \$120 (eBook)*

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, 13th ed., Pearson Canada. Available as an eBook approx. \$100*

BUSINESS ADMINISTRATION

Introduction to Business

401-1N1-DW | 45 hours

No prerequisite

Section 03001 Tuesday 18:00 – 21:00

Section 03002 Monday 18:00 – 21:00

Section 03003 Thursday 18:00 – 21:00

Section 03004 Wednesday 18:00 – 21:00 (on reserve)

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. This course is designed to provide students with an introductory overview of business by exploring the primary business functions and activities performed by companies and small businesses (marketing, accounting, management, leadership, etc.), by identifying the major influences and trends affecting business decisions (internal and external), and by recognizing the different stakeholders (owners/shareholders, managers, employees, customers, society) that are affected by business. Overall, students will not only acquire business vocabulary and relate business principles to their daily lives and workplace but will also develop an essential appreciation of the significant role that business plays in society as a whole.

CHEMISTRY

The sequence of courses for the new Science program 200.PC is 202-001, 202-SN1, 202-SN2 and 202-SNU. The sequence of courses for the old Science program 200.BC 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 37.

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

Section 03006 Mon. & Wed. 17:30 – 19:00, Monday 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. eBook approx. \$88. Lab manual may need to be purchased for approximately \$20.*

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

General Chemistry

202-SN1-RE | 75 hours

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 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 (on reserve)

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

Section 03006 Tues. & Thurs. 17:30 – 19:00, Tuesday 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 nomenclature. 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. *Lab manual may need to be purchased for approximately \$15.*

*Only students in the 200.BC program should register for course number 202-NYA-05.

Chemistry of Solutions

202-NYB-05 | 75 hours

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 (on reserve)

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.

CINEMA/COMMUNICATIONS

Cinema and Culture

530-914-DW | 45 hours

No prerequisite

Section 03001 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.

COMPUTER SCIENCE**Introduction to Computers**

420-BWC-03 | 45 hours

No prerequisite

Section 03001 Monday 18:30 – 21:30

Students will gain a historical appreciation of the evolution and development of computers and will acquire and demonstrate a basic knowledge of computer concepts. Students will be able to illustrate the diversity of systems and will learn to recognize the impact of computers through the direct investigation of software. The MS Word processor and Excel spreadsheet will be described and examined. The relationship between computers and networks will be explored with regard to their impact on society. Security, privacy and computer ethics will be examined in the course readings and discussed in class. Students will produce a 750-word paper, based on individual research, exploring one of the topics covered in the course. **Any Science program student planning to take Introduction to Computer Programming in Engineering Science (360-420-DW) as a Science option must not take any Computer Science complementary course such as 420-BWC or 420-BXC.

Programming in Science

420-SN1-RE | 45 hours

Prerequisite: One (1) of the following: Secondary 5 Chemistry OR Secondary 5 TS/SN Math OR Secondary 5 Physics

Section 03001 Friday 18:00 – 21:00

This course will introduce students to the basic building blocks (sequential, conditional, and repetitive control structures), modules (functions and libraries) and basic data types and structures used to write a software program. The students will learn how to analyze problems encountered in a scientific context, and then design, implement, and test algorithms.

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****383-1N1-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

The course introduces students to resource allocation under constraints, economic systems, the great economic thinkers, the different schools of thought, and the major approaches in economics. Students will recognize basic economic concepts, theories, and models, and recognize their limitations. Applying different perspectives and relying on current and historical data, students will discuss the main economic problems facing Canada and Quebec in a global context, such as climate change, inflation, poverty, globalization, recessions, unemployment, income inequality, and other selected problems. In this course, students will describe how governments use fiscal, monetary, and trade policies to reduce domestic economic problems. They will recognize the economic consequences of economic policies and critically discuss economic information reported in the news media. Students will apply the knowledge, skills, and values they have developed in the course to examine a selected problem.

Microeconomics**383-A03-DW** | 45 hours

Prerequisite: Introduction to Economics 383-1N1

Section 03001 Tuesday 18:30 – 21:30

The course introduces students to the major concepts, theories, and models used to analyze the behaviour of individuals and firms in different markets. The assumptions of each theory presented in the course will be clearly stated, and its weaknesses pointed out. Topics covered in the course include market structures, supply and demand, consumer behaviour, behaviour of the firm, production and costs, and determination of equilibrium price and output in different markets. The course presents a theory that explains the determination of incomes such as wages, rent, interest, and profits. The course enables students to analyze contemporary microeconomic issues and problems. Using the relevant concepts, theories, and models, students will analyze how individuals and companies react to changes in government policy such as subsidies, minimum wages, price controls, carbon taxes, and other policies.

Macroeconomics**383-A04-DW** | 45 hours

Prerequisite: Introduction to Economics 383-1N1

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, unemployment rates, inflation rates, and rates of interest. It discusses macroeconomic theories and models, specifies their assumptions, presents their applications, and identifies their limitations and the contrast between them. 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 business 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.

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.

Remedial Activities for Secondary V English Language Arts

603-001-RE | 60 hours

Prerequisite: placement - see page 9

Section 03001 Wednesday 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 - see page 9

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 (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 - see page 9

Section 03005 Tuesday 18:00 – 22:00

Section 03006 Monday 18:00 – 22:00

Section 03007 Wednesday 18:00 – 22:00

Section 03008 Thursday 18:00 – 22:00

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 - see page 9

Section 03009 Tuesday 18:00 – 22:00

Section 03010 Wednesday 18:00 – 22:00

Section 03011 Monday 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 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 (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 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 (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, 603-102 and 603-103

Section 03001 Tuesday 18:00 – 22:00

Section 03002 Monday 18:00 – 22:00

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

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.

Introduction to Painting

511-914-DW | 45 hours

No prerequisite

Section 03001 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

Collage and Mixed Media

511-923-DW | 45 hours

No prerequisite

Section 03001 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

Special Topics in Canadian Art

520-918-DW | 45 hours

No prerequisite

Section 03001 Wednesday 18:30 – 21:30

Section 03002 Thursday 18:30 – 21:30

This course examines the histories of art produced in Canada from practices predating European settlement to the present. In addition to studying canonical artworks by Indigenous and non-Indigenous artists that forged a distinct and hybrid Canadian identity, we will consider objects and images that sit outside of the traditional fine art mediums of painting and sculpture. This will enable an understanding of the key political and artistic stakes of representing Canada’s diverse communities. We will also explore historical events that had a direct impact on the formation of Canadian identities. Visits to historic and contemporary exhibitions are an important part of the course, which will allow us to experience Canada’s dynamic visual culture firsthand. Students will come away from this course with an understanding of how Canadian art and its history has developed, as well as the ability to articulate the major debates of the field in a compelling manner. Approximate cost of materials: \$40.

FRENCH

IMPORTANT: As of July 1, 2023, Students beginning a NEW DEC program must follow one of the two paths found below for their French courses to graduate:

- 1) **Students who hold the Certificate of Eligibility for English Instruction must:**
 - complete the two French second language courses (602 Block A and 602 Block B) and additional remedial courses, if necessary, depending on their placement level;
 - successfully pass the English Exit Exam (EEE);
- 2) **Students who do not hold a Certificate of Eligibility for English Instruction must:**
 - complete three French Exit Exam preparation courses (602-UF0, 602-UF1 and 602-UF2) and additional remedial courses (602-RF1 and/or 602-RF2), if necessary, depending on their placement level;
 - successfully pass the *Épreuve uniforme de français* (EUF) Exam;

IMPORTANT: As of July 1, 2024, students beginning a NEW DEC program are required to successfully complete five French courses following one of the two paths found below to graduate:

- 1) **Students who hold the Certificate of Eligibility for English Instruction** are required to complete five French courses as part of their program. At least two of those courses will be French Second Language courses. The remaining three courses may be courses of French or courses in French depending on the French level placement obtained. See **Chart 1** below.
- 2) **Students who do not hold a Certificate of Eligibility for English Instruction (COE)** are required to successfully complete five French courses and must pass the French Exit Exam to graduate from a DEC program. To prepare for the French Exit Exam, students must complete three French literature courses. The remaining two French courses will be part of your program. See **Chart 2** below. Depending on placement level, students may also be required to complete additional preparatory French courses before taking the required French literature courses.

If you are in the 08125, 08128, 08040 or 08072 programs and are intending to apply to a DEC program either in the Day or Evening division, you MUST have a valid French placement result to be eligible to register for your first French course. Students who place at a lower level, can take additional remedial courses through the Springboard to a DCS program (081.25/28) to attain this level. See **Chart 2** below for sequence of courses.

Placement information can be found at: <https://www.dawsoncollege.qc.ca/registrar/english-french-placement-tests/>

CHART 1

Bloc A - 1 course only (according to placement)	Bloc B - 1 course only	Block C - 1 course only	Block D - 1 course only	Block E - 1 course only															
¹ 602-100 602-101 602-102 602-103	602-B01 602-B02 602-B03 602-B04	602-C01 602-C02 Program course IN French Program course IN French	602-D01 602-D02 Program course IN French Program course IN French	602-E01 602-E02 Program course IN French Program course IN French															
¹ Some students may be required to take additional courses before qualifying for 602-100 (Basic French).																			
<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><u>Last course passed</u></td> <td style="text-align: center;">→</td> <td style="text-align: center;"><u>Next course</u></td> </tr> <tr> <td>602-011 or 602-FRA</td> <td style="text-align: center;">→</td> <td>602-FRB</td> </tr> <tr> <td>602-007 or 602-005 or 602-04B or 602-FRB</td> <td style="text-align: center;">→</td> <td>602-008</td> </tr> <tr> <td>602-008 or 602-009</td> <td style="text-align: center;">→</td> <td>602-100</td> </tr> <tr> <td>602-10*</td> <td style="text-align: center;">→</td> <td>602-B0* (See chart above)</td> </tr> </table>					<u>Last course passed</u>	→	<u>Next course</u>	602-011 or 602-FRA	→	602-FRB	602-007 or 602-005 or 602-04B or 602-FRB	→	602-008	602-008 or 602-009	→	602-100	602-10*	→	602-B0* (See chart above)
<u>Last course passed</u>	→	<u>Next course</u>																	
602-011 or 602-FRA	→	602-FRB																	
602-007 or 602-005 or 602-04B or 602-FRB	→	602-008																	
602-008 or 602-009	→	602-100																	
602-10*	→	602-B0* (See chart above)																	

CHART 2

Préparation à l'EUF 1 : 602-UF0-MQ (Replaces a complementary course)	Préparation à l'EUF 2 : 602-UF1-MQ (Replaces the Bloc A French course)	Préparation à l'EUF 3 : 602-UF2-MQ (Replaces the Bloc B French course)	Program course IN French	Program course IN French																														
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Pratique du français langue seconde 1 et 2

602-FRA-DW | 90 hours

Prerequisite: placement - see page 9

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). It does not contribute to fulfillment of college graduation requirements in French. Textbook : Desjardins, Nancy *Par ici*, méthode de français (Niveau A1 CECR/ 1-2 Échelle québécoise), éditions MD, Québec 2017, 160 pages; ISBN : 9782891448024. Approx. \$40. Exercise book also available for approx. \$18.

Pratique du français langue seconde 3 et 4

602-FRB-DW | 90 hours

Prerequisite: 602-FRA or 602-011 or placement - 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. Textbook : Desjardins, Nancy, *Par ici*, méthode de français (Niveau A1 CECR/ 1-2 Échelle québécoise), éditions MD, Québec 2017, 160 pages; ISBN : 9782891448024. Approx. \$40. Exercise book also available for approx. \$18.

Mise à niveau pour français, langue seconde de la 5e secondaire : 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 - see page 9

Section 03001 Tuesday 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 Tuesday 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

Bloc A

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

Section 03001 Thursday 18:00 – 21:00

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

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 orale, 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

Bloc A

Prerequisite: placement - see page 9

Section 03001 Thursday 18:00 – 21:00

Section 03002 Tuesday 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

Bloc A

Prerequisite: placement - see page 9

Section 03001 Thursday 18:00 – 21:00

Section 03002 Tuesday 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 \$

Communication dans son programme d'études

602-B01-DW | 45 hours

Bloc B – All programs

Prerequisite: 602-100

Section 03001 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. Coût approximatif du matériel : 50 \$

Actualités liées au champ d'études

602-B02-DW | 45 hours

Bloc B – 101 Level – All programs

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 œuvres 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 \$

Réflexions sur sa discipline

602-B03-DW | 45 hours

Bloc B – 102 Level – All programs

Prerequisite: 602-102

Section 03001 Wednesday 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. Coût approximatif du matériel : 50 \$

Analyse et création dans son domaine de spécialisation

602-B04-DW | 45 hours

Bloc B – 103 Level – All programs

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. Coût approximatif du matériel : 50 \$

Communiquer en français pour l'EUF

602-RF1-DW | 60 hours

Renforcement 1

Prerequisite: L'élève doit démontrer une compétence minimale correspondant au niveau B2 du Cadre européen commun de référence (CECRL). Élève qui a fait ses études secondaires à l'extérieur du Québec et dont la langue maternelle n'est pas le français OU Élève ayant obtenu une moyenne générale inférieure à 75% et provenant d'une école privée anglophone OU Élève dont le niveau est jugé insuffisant pour le cours RF2.

Section 03001 Wednesday 18:00 – 22:00

Ce cours est le premier d'une série de deux activités de renforcement de 60 heures préalables à la séquence préparatoire à l'Épreuve uniforme de français. Par l'entremise d'au moins une œuvre littéraire simple du XX^e ou du XXI^e et de textes courants, l'élève renforcera ses aptitudes pour la lecture et l'écriture en français. L'élève révisera plusieurs notions grammaticales. Il ou elle apprendra enfin à structurer les paragraphes du développement d'une rédaction de 250 mots, qui prendra la forme d'une explication de texte sur une œuvre littéraire, un texte courant ou un extrait. L'élève apprendra à rédiger son texte dans un français correct lui permettant de réussir l'Épreuve uniforme de français au terme de son parcours. Les crédits de ce cours ne comptent pas pour l'obtention du DEC.

Renforcement de français 2

602-RF2-DW | 60 hours

Renforcement 2

Prerequisite: L'élève doit démontrer une compétence minimale correspondant au niveau B2 du Cadre européen commun de référence (CECRL). Élève qui a réussi Français, langue d'enseignement de la 5e secondaire et ayant obtenu une moyenne générale inférieure à 75% et une moyenne inférieure à 70% en français écrit OU Élève non-ayant droit ayant obtenu une moyenne générale de 75% et plus et provenant d'une école privée anglophone OU Élève dont le niveau est jugé insuffisant pour le cours UFO OU Élève ayant réussi le cours 602-RF1-DW OU placement - see page 9.

Section 03001 Monday 18:00 – 22:00

Section 03002 Tuesday 18:00 – 22:00

Section 03003 Thursday 18:00 – 22:00

Section 03004 Wednesday 18:00 – 22:00 (on reserve)

Ce cours est le deuxième d'une série de deux activités de renforcement de 60 heures préalables à la séquence préparatoire à l'Épreuve uniforme de français. Par l'entremise d'au moins une œuvre littéraire complète contemporaine du XX^e ou du XXI^e et de textes courants, l'élève renforcera ses aptitudes pour la lecture et l'écriture en français. L'élève révisera plusieurs notions grammaticales. Il ou elle apprendra enfin à structurer les paragraphes du développement d'une rédaction de 500 mots, qui prendra la forme d'une explication de texte ou d'un commentaire de texte sur une œuvre littéraire ou un extrait. L'élève apprendra à rédiger son texte dans un français correct lui permettant de réussir l'Épreuve uniforme de français au terme de son parcours. Les crédits de ce cours ne comptent pas pour l'obtention du DEC.

Œuvres narratives et écriture

602-UFO-MQ | 45 hours

Complémentaire 1

Prerequisite: Élève qui a réussi Français, langue d'enseignement de la 5e secondaire et ayant obtenu une moyenne générale égale ou supérieure à 75% et une moyenne égale ou supérieure à 70% en français écrit OU Élève ayant réussi le cours 602-RF2-DW OU placement - see page 9.

Section 03001 Monday 18:00 – 21:00

Ce cours est le premier d'une série de trois activités préparatoires permettant d'acquérir les compétences en langue et littérature nécessaires à la réussite de l'Épreuve uniforme de français (EUF). Par l'entremise d'au moins une œuvre littéraire narrative complète et de plusieurs extraits d'œuvres narratives issues de la littérature française, et aussi possiblement de la littérature québécoise d'expression française, l'élève développera sa connaissance de la littérature et renforcera ses aptitudes pour la lecture en français. En étudiant des romans et des nouvelles appartenant à des courants majeurs allant du classicisme au naturalisme, l'élève acquerra une connaissance du langage littéraire associé à l'étude de ce genre en plus de réviser certaines notions linguistiques. Il ou elle apprendra enfin à structurer le développement d'une dissertation explicative portant sur un sujet avec un seul texte et à le rédiger dans un français correct.

Poésie, théâtre et écriture

602-UF1-MQ | 45 hours

Replaces the Bloc A French course

Prerequisite: 602-UF0

Section 03001 Tuesday 18:00 – 21:00

Par l'entremise d'au moins une pièce de théâtre complète et de plusieurs poèmes issus de la littérature française et québécoise d'expression française, l'élève développera sa connaissance de la littérature et, par le fait même, renforcera ses aptitudes pour la lecture en français. On étudiera des œuvres relevant des genres théâtral et poétique et appartenant à des courants majeurs : du classicisme au symbolisme pour la littérature française et des origines jusqu'à 1980 pour la littérature québécoise. L'élève acquerra donc une connaissance du langage littéraire associé aux genres à l'étude. On apprendra enfin à structurer une dissertation critique portant sur un sujet avec un seul texte et à la rédiger dans un français approprié.

Comparaison d'œuvres littéraires

602-UF2-MQ | 45 hours

Replaces the Bloc B French course

Prerequisite: 602-UF1

Section 03001 Tuesday 18:00 – 21:00

Par l'entremise d'au moins deux œuvres littéraires complètes, l'une issue de la littérature québécoise et l'autre, de la littérature francophone, l'élève devra améliorer sa connaissance de la littérature et, par le fait même, renforcer ses aptitudes pour la lecture en français. On étudiera des œuvres relevant de genres variés appartenant à des courants majeurs de la littérature francophone (XXe et XXIe siècles pour la littérature française) et de la littérature québécoise (après 1980 pour la poésie et le théâtre, et après 1960 pour le roman). L'élève continuera de parfaire ses connaissances de la langue littéraire associée aux genres à l'étude. On apprendra enfin à structurer une dissertation critique comparative portant sur deux textes et à la rédiger dans un français approprié.

GEOGRAPHY

Introduction to Geography

320-1N1-DW | 45 hours

No prerequisite

Section 03001 Monday 18:30 – 21:30

Section 03002 Thursday 18:30 – 21:30

This course introduces students to the foundations of geographical knowledge. It examines some of the main features, processes, and systems that characterize and shape the human and physical worlds on Earth, and the interplay and overlap between humanity and nature. Geographical perspectives on key global issues will be presented to emphasize that while geography is sometimes about knowledge of locations and asking 'what's where?', it is also about critical thinking, considering different explanations and perspectives, and asking 'why there?'

GERMAN

German I

609-111-DW | 45 hours

No prerequisite

Section 03001 Thursday 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.

HISTORY**Introduction to Global History****330-1N1-DW** | 60 hours

No prerequisite

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

This course explores the historical changes and challenges that have marked human civilizations since the 1400s. It promotes an understanding of the historical interactions between different cultures and regions of the world. A major point of focus will be on systems that have shaped and continue to greatly impact populations, such as imperialism, capitalism, patriarchy, enslavement, settler-colonialism and decolonization. The course examines populations from various geographic regions and compares their economies, cultures, religions, political ideas, and environment. One objective is to offer a better comprehension of the historical roots of this long history of interconnection. This course surveys the social, cultural, political, environmental, and economic evolution of the world's human societies by focusing on various themes such as social and political revolution, industrialization, colonialism, imperialism, totalitarianism, war in the 20th and 21st century, and decolonization.

20th Century History**330-A08-DW** | 45 hours

Prerequisite: Introduction to Global History 330-1N1

Section 03001 Wednesday 18:30 – 21:30

The 20th century was the most turbulent in human history and this course surveys the wars, revolutions, ethnic conflicts, environmental disasters, and dramatic changes that affected the lives of almost all peoples throughout the world. Students will analyze such themes as nationalism, imperialism, racism, anti-Semitism, communism, and fascism; World War I and the rise of totalitarian regimes; 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 Social and Economic History: Empires - Global Economic, Political and Social Dominance**330-325-DW** | 45 hours

Prerequisite: Western Civilization 330-101

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.

HUMANITIES

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

Knowledge

345-101-MQ | 60 hours

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** Tuesday 18:00 – 22:00
- Section 03009** Wednesday 18:00 – 22:00 (on reserve)
- Section 03010** Thursday 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.

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

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** 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 (on reserve)

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.

MATHEMATICS

The sequence of courses for the new Science program 200.PC is 201-016, 201-015, 201-201-SN2, 201-SN3, 201-SN1. The sequence of courses for the old Science program 200.BC is 201-016, 201-015, 201-NYA, 201-NYB or 201-NYC. See the chart on page 37.

Remedial Activities for Secondary IV Mathematics

201-016-RE | 75 hours

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

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).

*Calculator: Sharp EL-531***

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 Mon. & Wed. 18:00 – 21:00

Section 03004 Fri. 18:00 – 21:00 & Sat. 11:00 – 14:00

*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. \$35 (also available online in pdf file). Calculator: Sharp EL-531***

Calculus I: Differential Calculus for Social Sciences

201-MA1-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

*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-MA1-DW or 201-103-DW Calculus I (Social Science/Commerce).*

The course focuses on limits and continuity of a function, the derivative, techniques of differentiation, as well as applications to the social sciences, including curve sketching, marginal analysis 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 Edition) by (Thomson Brooks/Cole Publishers). Approx. \$200. Calculator: Sharp EL-531**

Differential Calculus

201-SN2-RE | 75 hours

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 Saturday 9:00 – 14:00

Section 03006 Saturday 9:00 – 14:00 (on reserve)

This course provides an introduction to the study of Calculus, in particular single-variable Differential Calculus. Students will be introduced to the concepts of the limit, continuity, and the derivative and will learn how these concepts relate to tangent lines to curves and to rates of change. Students will learn how to compute derivatives using a variety of common rules and techniques. Students will apply the concept of the derivative in applications such as: curve-sketching, optimization, and the analysis of rates of change. An introduction to antiderivatives and indefinite integrals will prepare students for the transition to the study of Integral Calculus. *Calculator: Sharp EL-531***

*Only students in the 200.BC program should register for course number 201-NYA-05.

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

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. \$145.*

*Calculator: Sharp EL-531***

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

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. \$65. Calculator: Sharp EL-531***

METHODS**Introduction to Social Science Research****300-1R1-DW** | 45 hours

No prerequisite

Section 03001 Tuesday 18:00 – 21:00**Section 03002** Wednesday 18:00 – 21:00**Section 03003** Monday 18:00 – 21:00

Introduction to Social Science Research (IR) is the first of the four methodology courses and is normally taken in the student's first term of the program. The goal of the course is to develop and apply appropriate work methods to the social science disciplines. Students learn and practice skills such as accessing and organizing relevant information, using appropriate technologies, identifying academic and non-academic sources, evaluating the reliability of the sources, summarizing an author's main idea, citing sources, building a bibliography, communicating their ideas orally and in writing, and effectively working in a group. This course establishes a practical foundation for successful and ethical work in the social sciences and is the pre-requisite for the two methodology courses that follow: Qualitative Methods and Quantitative Analysis.

Quantitative Analysis**300-QA1-DW** | 60 hours

Prerequisite: Introduction to Social Science Research 300-1R1

Section 03001 Wednesday 18:00 – 22:00

Quantitative Analysis (QA) is one of four methodology courses and is taken in either the student's third or fourth term. The goal of the course is to interpret human realities by using quantitative analysis in the Social Sciences. Students will learn to recognize quantitative analysis, to formulate an operational hypothesis, describe quantitative data collections, to process data using descriptive and inferential measures, to describe the relationships between variables, and apply critical thinking to the interpretation of quantitative analysis. Students will also learn the importance of maintaining ethical standards in data collection and interpretation.

Qualitative Methods**300-QL1-DW** | 60 hours

Prerequisite: Introduction to Social Science Research 300-1R1

Section 03001 Thursday 18:00 – 22:00

Qualitative Methods (QL) is one of four methodology courses and is taken either the student's second or third term of the program. The goal of the course is to develop, apply and carry out scientific research by applying qualitative methodology. Students will learn to apply qualitative methods by learning the fundamentals of scientific research, developing a research project, formulating a research objective, producing a data collection tool, collecting, synthesizing and analyzing the data, and communicating the results obtained. In carrying out a qualitative research project, students also learn and practice ethical standards of Social Science research.

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

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.

*Only students in the 300.CE program should register for this course.

PHILOSOPHY**Introduction to Philosophy**

340-1N1-DW | 45 hours

No prerequisite

Section 03001 Thursday 18:30 – 21:30

This course will survey central philosophical questions and how influential philosophers have attempted to answer them. Major topics such as the nature of reality, truth, knowledge, justice, personal identity, freedom, responsibility, and meaning will be covered. In a broad sense, this course explores the human condition, and the ways we humans have tried to understand and define ourselves, our world and our possibilities. As this is an introductory course, students will also learn and practice the philosophical fundamentals of sound argumentation. By the end of the course, students will have an understanding of basic problems of philosophy and their development. They will also have a sense of philosophy's relevance and importance for the social sciences, the natural sciences, and contemporary issues.

PHYSICAL EDUCATION**Physical Activity and Health: Fitness**

109-101-MQ | 30 hours

No prerequisite

Section 03001 Thursday 19:00 – 21:00**Section 03002 Tuesday 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: Stress Coping Skills

109-102-MQ | 30 hours

No prerequisite

Section 03001 Friday 19:00 – 21:00**Section 03002 Monday 19:00 – 21:00**

This course will introduce students to Stress Coping Skills and provides the opportunity to develop the skills needed to cope with stress. The skills are practiced in the activity room. Identifying stress habits and various relaxation techniques will be covered.

Physical Activity and Autonomy: Fitness Activities

109-103-MQ | 30 hours

Prerequisite: 109-101 and 109-102

Section 03001 Wednesday 19:00 – 21:00**Section 03002 Tuesday 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 for the new Science program 200.PC is 203-001, 203-SN1, 203-SN2, 203-SN3. The sequence of courses for the old Science program 200.BC 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 37.

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, 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 (on reserve)

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: OpenStax College Physics, Dawson College custom edition, cost \$0 (digital).*

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

Mechanics

203-SN1-RE | 75 hours

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 201-SN2 or 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 (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: \$80.

*Only students in the 200.BC program should register for course number 203-NYA-05.

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: \$80.

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 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: \$80.

POLITICAL SCIENCE**Introduction to Political Science**

385-1N1-DW | 45 hours

No prerequisite

Section 03001 Tuesday 18:30 – 21:30

This course will introduce students to political science as the study of power and governance. Students will learn key political concepts used to explain how decisions are made by and for groups of people. Students will be introduced to the basic institutions of democratic and non-democratic states, to political ideologies, and to governmental and non-governmental actors. Finally, they will reflect critically on a current local and/or global political issue.

PSYCHOLOGY**Introduction to Psychology**

350-1N1-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**

Introduction to Psychology provides an overview of the scientific approach to the study of behaviour. In addition to providing students with a basic understanding of the scientific method, this course is designed to increase one's awareness and understanding of the interaction of factors which influence human behaviour. This course will look at how the methods and concepts of psychology can be applied to real-life situations and provide fundamental concepts on which to build on in future psychology courses.

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 (less for e-books).

Motivation & Emotion

350-A05-DW | 45 hours

Prerequisite: Introduction to Psychology 350-1N1

Section 03001 Monday 18:30 – 21:30

Why do we do what we do and feel what we feel? Although our everyday behaviors affect and are affected by these questions, we barely give them a second thought. This course seeks to analyze the complex biological, situational and psychological processes that drive our behaviours and emotions.

RELIGION**Introduction to Religious Studies**

370-1N1-DW | 45 hours

No prerequisite

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 of the world 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

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

105-003-RE | 75 hours

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. *Textbook TBD: \$0-\$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.

SOCIAL SCIENCE 400 LEVEL**Advanced Environmental Studies**

360-401-DW | 45 hours

Prerequisite: 200 or 300 level Social Science Concentration course

Section 03001 Monday 18:30 – 21:30

This course provides students with the opportunity to engage in work on an environmentally significant topic of particular interest to them. The emphasis is on providing students with the skills required to investigate significant environmental issues, using knowledge, concepts, methods and tools necessary to allow them to prepare a pertinent final work.

SOCIOLOGY**Introduction to Sociology****387-1N1-DW** | 45 hours

No prerequisite

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

This course introduces students to the basic ideas and perspectives of sociological investigation and interpretation. Students will learn how individuals are shaped and social groups are formed through processes of culture, socialization, interpersonal interaction and organizational life. Students are introduced to the major areas of sociological research that will enable them to interpret events, patterns, and issues from a sociological perspective in the context of socially, economically, and culturally diverse society.

SPANISH**Spanish I****607-111-DW** | 45 hours

No prerequisite

Section 03001 Wednesday 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. The required textbook must be purchased new from the Dawson bookstore ONLY: Spanish Level 1 Dawson College Custom Textbook *Plazas*, Cengage (2017) + MindTap Code \$50 (1 semester – ISBN 9781778414831)