

SUMMER 2024 – JUNE 17 to JULY 30, 2024

ÉTÉ 2024 - 17 JUIN au 30 JUILLET 2024

BIOLOGY

FINAL EXAM: WEDNESDAY, JULY 31

Human Anatomy and Physiology

101-BZH-05 | 75 hours

Prerequisite: General Biology I 101-NYA

Section 19001 Wed. & Thurs. 18:00 – 21:10, Mon, & Tues. Lab 18:00 – 21:10 (June 17 – July 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. \$70

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 19001 Tues., Wed., Thurs. 18:00 – 21:10, Mon. Lab 18:00 – 21:10 (June 17 – July 30)

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, and to communicate effectively. Text: Reece et al., *Campbell Biology*, 3rd Canadian ed., Pearson. Approx. \$200 (eBook \$120)

General Biology II

101-BZE-05 | 75 hours

Prerequisite: General Biology I 101-NYA

Recommended: Organic Chemistry 202-BZF

Section 19001 Mon. & Thurs. 18:00 – 21:10, Tues. & Wed. Lab 18:00 – 21:10 (June 17 – July 30)

This is a required course for pre-university Health Science students and for Pure and Applied Science students planning to enter biological sciences at university. Topics in biochemistry, cell function, major metabolic processes, and molecular genetics will be covered. Examples of regulation by hormonal control mechanisms will be examined to highlight the maintenance of homeostasis. Laboratory exercises make use of data collection techniques, and are used to complement appropriate lecture material. Text: Reece et al., *Campbell Biology*, 3rd Canadian ed., Pearson. Approx. \$200 (eBook \$120)

BUSINESS ADMINISTRATION

Introduction to Business

401-1N1-DW | 45 hours

401-101-DW* | 45 hours

No prerequisite

Section 19001 Tues. & Thurs. 13:45 – 17:30 (June 18 – July 30)

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.

Only students in the 300.CE and 300.F programs should register for course number 401-101-DW.

CHEMISTRY (SEE ALSO RATTRAPAGE P. 15)**FINAL EXAM: THURSDAY, AUGUST 1**

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).

Organic Chemistry I**202-BZF-05** | 75 hours

Prerequisite: Chemistry 202-NYA

Corequisite: Chemistry of Solutions 202-NYB

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

Section 19001 Mon. & Tues. 13:30 – 17:40, Wed. Lab 13:30 – 17:40 (June 17 – July 30)**Section 19002** Mon. & Tues. 13:30 – 17:40, Thurs. Lab 13:30 – 17:40 (June 17 – July 30)

Organic Chemistry I provides students with 1) basic knowledge of hydrocarbons, their classes and reactions, and 2) basic experimental skills in performing organic chemistry experiments, allowing the students to acquire skills to fulfill the competencies: to solve simple problems in organic chemistry and to apply the experimental method in a scientific field. *Text: Bruice, Paula Y. Organic Chemistry. 8th ed. Pearson. Approx. \$160 for the hardcover textbook package including solutions manual and Mastering e-source (softcover \$125) (eBook \$126). Molecular model kit \$30. Lab manual may need to be purchased for approximately \$15.*

Chemistry of Solutions**202-NYB-05** | 75 hours

Prerequisite: Chemistry 202-NYA

Recommended: Calculus I 201-NYA

Section 19001 Mon. & Tues. 13:30 – 17:40, Wed. Lab 13:30 – 17:40 (June 17 – July 30)**Section 19002** Mon. & Tues. 13:30 – 17:40, Thurs. Lab 13:30 – 17:40 (June 17 – July 30)

The concepts and calculations studied in this course are those associated with chemical equilibrium, especially the aqueous solutions. Topics include solution concentrations, kinetics and equilibrium, pH, buffer solutions, solubility product, colligative properties, and free energy. A strong emphasis is placed on computer-based laboratory techniques. *Text: Zumdahl and Zumdahl. Chemistry, 10th ed., Cengage. Approx. \$170, online study guide and solutions manual approx. \$28 (eBook consisting of text, online study guide and solutions manual \$105). Lab manual may need to be purchased for approximately \$15.*

CINEMA/COMMUNICATIONS**Cinema Styles****530-916-DW** | 45 hours

No prerequisite

530-BWA-03* | 45 hours

Complementary course number*

Section 19001 Mon. to Fri. 9:00 – 12:00 (June 17 – July 10) – no class Friday, July 5

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

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

COMPUTER SCIENCE**Introduction to Computers**

420-BWC-03 | 45 hours

No prerequisite

Section 19001 Mon. & Wed. 18:00 – 21:45 (June 17 – July 29)

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.

ECONOMICS**Introduction to Economics**

383-1N1-DW | 45 hours

383-101-DW* | 45 hours

No prerequisite

Section 19001 Tues. & Thurs. 18:00 – 21:45 (June 18 – July 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.

Only students in the 300.CE and 300.F programs should register for course number 383-101-DW.

ENGLISH

Information on **English Placement Testing** can be found at: <https://www.dawsoncollege.qc.ca/registrar/english-french-placement-tests/>

A student must not take two English courses bearing the same course number.

Introduction to College English: Writing English

603-101-MQ | 60 hours

Prerequisite: 603-001 or placement

Section 19001 Mon., Wed., Thurs. 18:00 – 22:00 (June 17 – July 22)

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

Section 19002 Mon., Wed., Thurs. 13:00 – 17:00 (June 17 – July 22)

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.

Literary Genres

603-102-MQ | 60 hours

Prerequisite: 603-101

Students may take 603-103 before 603-102.

Section 19001 Mon. to Fri. 8:30 – 12:30 (June 17 – July 10) – no class Friday, July 5

Section 19002 Mon., Wed., Thurs. 18:00 – 22:00 (June 17 – July 22)

Section 19003 Mon., Wed., Thurs. 13:00 – 17:00 (June 17 – July 22)

Section 19004 Mon. to Fri. 8:30 – 12:30 (June 17 – July 10) – no class Friday, July 5

Section 19005 Mon., Tues., Thurs. 13:00 – 17:00 (June 17 – July 23)

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 19001 Mon. to Fri. 8:30 – 12:30 (June 17 – July 10) – no class Friday, July 5

Section 19002 Mon., Wed., Thurs. 18:00 – 22:00 (June 17 – July 22)

Section 19003 Mon. to Fri. 8:30 – 12:30 (June 17 – July 10) – no class Friday, July 5

Section 19004 Mon. to Fri. 8:30 – 12:30 (June 17 – July 10) – no class Friday, July 5

Section 19005 Mon., Tues., Thurs. 13:00 – 17:00 (June 17 – July 23)

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 19001 Mon. to Fri. 8:30 – 12:30 (June 17 – July 10) – no class Friday, July 5

Section 19002 Mon., Wed., Thurs. 18:00 – 22:00 (June 17 – July 22)

Section 19003 Mon., Tues., Thurs. 13:00 – 17:00 (June 17 – July 23)

Section 19004 Mon. to Fri. 8:30 – 12:30 (June 17 – July 10) – no class Friday, July 5

Section 19005 Mon., Tues., Thurs. 13:00 – 17:00 (June 17 – July 23)

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

Drawing Techniques

511-912-DW | 45 hours

No prerequisite

511-BXA-03* | 45 hours

Complementary course number*

Section 19001 Tues. & Thurs. 13:45 – 17:30 (June 18 – July 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.

FRENCH (SEE ALSO RATTRAPAGE P. 15-16)

IMPORTANT: As of July 1, 2023, students entering an English CEGEP or beginning a NEW DEC program must follow one of the two paths found below for their French courses to obtain a DEC:

1) Students who hold the Certificate of Eligibility for English Instruction (CoE-Y) must:

- complete the two French second language courses 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 (CoE-N) must:

- complete three French Exit Exam preparation courses and additional remedial courses, if necessary, depending on their placement level;
- successfully pass the *Épreuve uniforme de français* (EUF) Exam;

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

If you are in the 08125, 08128, 08040 or 08072 programs and are intending to take a French course, you MUST have a valid French placement result in order to be eligible to register for your first French course. See table below for sequence of courses.

Students who have graduated from a Quebec high school or Quebec adult education center and have taken their Sec V Ministerial Exams in French in the last three (3) years, do **not** write placement tests. French Placement Results are automatically generated using your final Sec V French grades. All other students who plan to register for a French course but have not recently completed a credit French course at an English CEGEP, must write a placement test online before registering.

Order of French courses for students who hold the Certificate of Eligibility for English Instruction (CoE-Y) or for any student who has already begun a program prior to July 1, 2023:

As part of the requirements for any DEC program, students must complete two French courses: one from a group of courses called "Bloc A", the second from a group of courses called "Bloc B". Students must register for the Bloc B course that is appropriate for both their level and their program. See the chart below.

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

Order of French courses for students who DO NOT hold the Certificate of Eligibility for English Instruction (CoE-N):

As part of the requirements for any DEC program, students must complete three French Exit Exam preparation courses. See the chart below.

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)
Some students may be required to take additional courses before qualifying for 602-UF0-MQ. This will depend on your placement level.		
For admission to a DEC program, students who do not hold a Certificate of Eligibility for English Instruction (CoE-N) must be eligible to take the 602-RF1-DW French course as a minimum requirement.		

Oeuvres narratives et écriture

602-UF0-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

Section 19001 Mon. & Wed. 13:45 – 17:30 (June 17 – July 29)

Section 19002 Tues. & Thurs. 18:00 – 21:45 (June 18 – July 30) (on reserve)

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

Remplace Bloc A français

Prerequisite: 602-UF0

Section 19001 Mon. & Wed. 13:45 – 17:30 (June 17 – July 29)

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.

Basic French (Français de base)

602-100-MQ | 45 hours

Bloc A

Prerequisite: 602-008 or 602-009 or placement

Section 19001 Mon. & Wed. 9:00 – 12:45 (June 17 – July 29)

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 \$

Comprendre et mieux s'exprimer

602-BXB-DW | 45 hours

Bloc B – All programs

Prerequisite: 602-100

Section 19001 Tues. & Thurs. 9:00 – 12:45 (June 18 – July 30)

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

Visions actuelles

602-BXD-DW | 45 hours

Bloc B – 101 Level – Creative Arts

or

Aspects de la science et des techniques

602-BXF-DW | 45 hours

Bloc B – 101 Level – Science

or

Actualités des sciences humaines

602-BXG-DW | 45 hours

Bloc B – 101 Level – Social Science

Prerequisite: 602-101

Section 19001 Tues. & Thurs. 18:00 – 21:45 (June 18 – July 30)

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 \$

Regards sur les sciences et les techniques

602-BXJ-DW | 45 hours

Bloc B – 102 Level – Science

or

Regards sur les sciences humaines

602-BXK-DW | 45 hours

Bloc B – 102 Level – Social Science

or

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

602-BXY-DW | 45 hours

Bloc B – 102 Level – Creative Arts

Prerequisite: 602-102

Section 19001 Mon. & Wed. 18:00 – 21:45 (June 17 – July 29)

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

Coût approximatif du matériel : 50 \$

Découvertes et création

602-BXN-DW | 45 hours

Block B – 103 Level – Creative Arts

or

Les sciences humaines en français

602-BXU-DW | 45 hours

Block B – 103 Level – Social Science

or

Le français des sciences et des techniques

602-BXZ-DW | 45 hours

Block B – 103 Level – Science

Prerequisite: 602-103

Section 19001 Mon. & Wed. 18:00 – 21:45 (June 17 – July 29)

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 \$

HISTORY

U.S. History: The Tumultuous 19th & 20th Centuries

330-206-DW | 45 hours

Prerequisite: Western Civilization 330-101

Section 19001 Mon. & Wed. 18:00 – 21:45 (June 17 – July 29)

This course will identify and examine concrete situations during the 19th and 20th centuries that defined the history of the United States. Events such as the Seneca Falls Convention, the American Civil War, WW I & 2, the Depression years, the Civil Rights movement, Black Power, the Sexual Revolution and the Vietnam War are just some of the events that may be examined. Both primary and secondary sources will be consulted, including historical accounts, audio visual sources, academic analyses, material artifacts. Students will use concepts such as class, gender, ethnicity, religion and nationalism as lens through which these tumultuous events may be studied. Students will apply various methodologies including document, film and visual analyses in the study of these historical events.

Topics in History: Culture & Conflict in Our Time

330-A01-DW | 45 hours

Prerequisite: Introduction to Global History 330-1N1

Section 19001 Tues. & Thurs. 13:45 – 17:30 (June 18 – July 30) (on reserve)

The twentieth century was one of the most turbulent in human history, with world wars, and political, social, and cultural revolutions that affected the lives of many. Although historians often examine the twentieth century through the lens of military and political conflict, these tumultuous events also had a profound relationship to the art and ideas of the time. This course explores the cultural and intellectual ferment of the twentieth century, up to the present day. It places particular emphasis on artistic, literary, and philosophical movements that pushed for change and innovation and challenged the existing order. Emphasis will be placed on analyzing and discussing primary sources, but contextual and explanatory lectures will also be provided each week. Students will identify and analyze specific situations related to cultural and intellectual histories of the twentieth century, using historical concepts, approaches, and a variety of sources.

HUMANITIES

A student must not take two Humanities courses bearing the same course number even though the course content is different.

The sequence of courses is 345-101-MQ, 345-102, 345-BXH.

Knowledge

345-101-MQ | 60 hours

No prerequisite

Section 19001 Mon., Tues., Thurs. 18:00 – 22:00 (June 17 – July 23)

Section 19002 Mon., Wed., Thurs. 13:00 – 17:00 (June 17 – July 22)

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 19001 Mon. & Wed. 18:00 – 21:45 (June 17 – July 29)

Section 19002 Tues. & Thurs. 18:00 – 21:45 (June 18 – July 30)

Section 19003 Mon. & Wed. 13:45 – 17:30 (June 17 – July 29)

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 19001 Mon. to Fri. 9:00 – 12:00 (June 17 – July 10) – no class Friday, July 5

Section 19002 Mon. & Wed. 18:00 – 21:45 (June 17 – July 29)

Section 19003 Tues. & Thurs. 18:00 – 21:45 (June 18 – July 30)

Section 19004 Tues. & Thurs. 13:45 – 17:30 (June 18 – July 30)

Section 19005 Mon. to Fri. 9:00 – 12:00 (June 17 – July 10) – no class Friday, July 5

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 (SEE ALSO RATRAPAGE P. 16)
FINAL EXAM FOR EVENING CLASSES: WEDNESDAY, JULY 31
FINAL EXAM FOR AFTERNOON CLASSES: THURSDAY, AUGUST 1

The sequence of courses is 201-016, 201-015, 201-NYA, 201-NYB or 201-NYC.

Probability & Statistics

201-BZS-05 | 75 hours

Prerequisite: Calculus II 201-NYB

Section 19001 Mon. to Thurs. 14:00 – 17:10 (June 17 – July 30)

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: Shahabi, S. Probability and Statistics. (available online for Dawson Students.). Calculator: Sharp EL-531***

Calculus I: Differential Calculus for Social Sciences

201-MA1-DW | 75 hours

201-103-DW* | 75 hours

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

Section 19001 Mon. to Thurs. 14:00 – 17:10 (June 17 – July 30)

*Please note: Students who plan to take Calculus II 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.

*Calculator: Sharp EL-531***

Only students in the 300.CE and 300.F programs should register for course number 201-103-DW.

Calculus I

201-NYA-05 | 75 hours

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

Section 19001 Mon. to Thurs. 14:00 – 17:10 (June 17 – July 30)

Section 19002 Mon. to Thurs. 18:00 – 21:10 (June 17 – July 30)

*Please note: Students who plan to take Calculus II 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).*

This course includes limits and continuity, differentiation, applications of the derivative to curve sketching, maximum and minimum word problems and related rates problems, anti-differentiation and the indefinite integral. *Text: Stewart, James. Single Variable Calculus. 2nd ed. Cengage. Approx. \$145.*

*Calculator: Sharp EL-531***

Calculus II

201-NYB-05 | 75 hours

Prerequisite: Calculus I 201-NYA or equivalent

Section 19001 Mon. to Thurs. 14:00 – 17:10 (June 17 – July 30)

Section 19002 Mon. to Thurs. 18:00 – 21:10 (June 17 – July 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 19001 Mon. to Thurs. 14:00 – 17:10 (June 17 – July 30)

Section 19002 Mon. to Thurs. 18:00 – 21:10 (June 17 – July 30)

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***

Linear Algebra

201-105-DW | 75 hours

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

Section 19001 Mon. to Thurs. 14:00 – 17:10 (June 17 – July 30)

Please note: Most students who take this course have already passed Calculus I and Calculus II so they exhibit a fair degree of mathematical maturity. This course focuses on systems of linear equations, matrices and determinants, vectors and applications to lines and planes, and applications of linear algebra to Social Science. This course is not a substitute for Mathematics 201-NYC-05. *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 19001 Mon. & Wed. 13:45 – 17:30 (June 17 – July 29)

Section 19002 Tues. & Thurs. 18:00 – 21:45 (June 18 – July 30) (on reserve)

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 prerequisite 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 19001 Mon., Wed., Thurs. 13:00 – 17:00 (June 17 – July 22)

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 19001 Mon., Tues., Thurs. 8:30 – 12:30 (June 17 – July 23)

Qualitative Methods (QL) is one of four methodology courses and is taken in 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.

Quantitative Methods

360-300-DW* | 60 hours

Prerequisite: Research Methods 300-300

Section 19001 Mon., Tues., Thurs. 18:00 – 22:00 (June 17 – July 23)

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.

Only students in the 300.CE and 300.F programs should register for this course.

Integrative Seminar

300-308-DW* | 60 hours

300-303-DW* | 45 hours

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

Social Science and Commerce students taking 3 Math courses must register for Integrative Seminar 300-303-DW. Please check your graduation profile. If your profile indicates you should take Integrative Seminar 300-308-DW, you should register for one of these sections of 300-308-DW. If your profile indicates you should take Integrative Seminar 300-304 you must select a section of 300-308 and you will be granted a substitution for 300-304.

Section 19011 or 19001 Mon., Tues., Thurs. 18:00 – 22:00 (June 17 – July 23)

Section 19012 or 19002 Mon., Tues., Thurs. 13:00 – 17:00 (June 17 – July 23)

Section 19013 or 19003 Mon., Wed., Thurs. 18:00 – 22:00 (June 17 – July 22)

Section 19014 or 19004 Mon., Wed., Thurs. 13:00 – 17:00 (June 17 – July 22)

Section 19015 or 19005 Mon., Wed., Thurs. 8:30 – 12:30 (June 17 – July 22)

Section 19016 or 19006 Mon., Wed., Thurs. 8:30 – 12:30 (June 17 – July 22)

Section 19017 or 19007 Mon., Tues., Thurs. 13:00 – 17:00 (June 17 – July 23) (on reserve)

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 and 300.F programs should register for this course.

PHYSICAL EDUCATION

Physical Activity and Health: Fitness Walking

109-101-MQ | 30 hours

No prerequisite

Section 19001 Tues. & Thurs. 8:00 – 12:30 (June 18 – July 9) PLUS July 11 (8:00 – 11:00)

Section 19002 Mon., Wed., Fri. 8:00 – 12:30 (June 17 – July 2) PLUS July 3 (8:00 – 11:00)

This course will provide the student with cardiovascular and muscular conditioning through speed walking. May include both indoor training and outdoor fitness walking around the Montreal area. Theoretical and practical sessions will provide students with the knowledge and skills necessary to develop all of the components of fitness and healthy lifestyle habits.

Physical Activity and Effectiveness: Stress Coping Skills

109-102-MQ | 30 hours

No prerequisite

Section 19001 Tues. & Thurs. 13:00 – 17:30 (June 18 – July 9) PLUS July 11 (13:00 – 16:00)

Section 19002 Mon., Wed., Fri. 13:00 – 17:30 (June 17 – July 2) PLUS July 3 (13:00 – 16:00)

Section 19003 Mon., Wed., Fri. 8:00 – 12:30 (June 17 – July 2) PLUS July 3 (8:00 – 11:00) (on reserve)

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 19001 Tues. & Thurs. 13:00 – 17:30 (June 18 – July 9) PLUS July 11 (13:00 – 16:00)

Section 19002 Mon., Wed., Fri. 13:00 – 17:30 (June 17 – July 2) PLUS July 3 (13:00 – 16:00)

Section 19003 Tues. & Thurs. 8:00 – 12:30 (June 18 – July 9) PLUS July 11 (8:00 – 11:00)

Section 19004 Mon., Wed., Fri. 8:00 – 12:30 (June 17 – July 2) PLUS July 3 (8:00 – 11:00)

Section 19005 Mon., Wed., Fri. 13:00 – 17:30 (June 17 – July 2) PLUS July 3 (13:00 – 16:00) (on reserve)

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

FINAL EXAM: WEDNESDAY, JULY 31

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).

Mechanics

203-NYA-05 | 75 hours

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

Corequisite: Calculus I 201-NYA

Section 19001 Tues., Wed., Thurs. 18:00 – 21:10, Mon. Lab 18:00 – 21:10 (June 17 – July 30)

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.

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 19001 Mon., Wed., Thurs. 18:00 – 21:10, Tues. Lab 18:00 – 21:10 (June 17 – July 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 19001 Mon., Tues., Thurs. 18:00 – 21:10, Wed. Lab 18:00 – 21:10 (June 17 – July 30)

Section 19002 Mon., Tues., Wed. 18:00 – 21:10, Thurs. Lab 18:00 – 21:10 (June 17 – July 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.

PSYCHOLOGY**Psychology: Human Development**

350-A07-DW | 45 hours

Prerequisite: Introduction to Psychology 350-1N1

Section 19001 Tues. & Thurs. 18:00 – 21:45 (June 18 – July 30)

This course will explore the links among physical, cognitive, social, and emotional development throughout the lifespan. Students will investigate and analyze how these four areas contribute to the final development of the individual. This course will provide the student with the necessary knowledge and skills to be able to analyze how the individual develops from conception until death.

Human Sexual Behaviour

350-306-DW | 45 hours

Prerequisite: General Psychology 350-101

Section 19001 Mon. & Wed. 13:45 – 17:30 (June 17 – July 29)

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 behaviour. Topics will include anatomy and physiology of the sexual response system, development of sexuality and of gender and orientation identity, sexual response patterns, relationships, sexual difficulties, sexual coercion and more. Approximate cost of textbook: \$55-\$110 (less for e-books).

Only students in the 300.CE and 300.F programs should register for this course.

Applications in Psychology: Interaction and Communication

350-BXS-03 | 45 hours

No prerequisite

Section 19001 Mon. & Wed. 9:00 – 12:45 (June 17 – July 29)

Interaction and Communication is designed to allow students to examine problems of communication in their life. To this effect, principles and methods of interpersonal communication will be analyzed. We study, among other things, verbal and nonverbal communication, people perceptions, interpersonal relationships, and effective conflict resolution strategies. Students experience activities in small groups that allow them to identify real life communication issues plus develop and implement effective strategies that can improve communication in the different spheres of life. Approximate cost of textbook: \$100. *Please note: Students in the Social Science program cannot use this course as a complementary.*

SOCIAL SCIENCE 400 LEVEL**Advanced Environmental Studies**

360-401-DW | 45 hours

Prerequisite: 200 or 300 level Social Science Concentration course

Section 19001 Tues. & Thurs. 9:00 – 12:45 (June 18 – July 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.

SPANISH**Spanish I**

607-111-DW | 45 hours

No prerequisite

607-BWL-03* | 45 hours

Complementary course number*

Section 19001 Mon. to Fri. 9:00 – 12:00 (June 17 – July 10) – no class Friday, July 5

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)

*Students who are taking this course as a complementary should register for course number 607-BWL-03. **Students in the ALC program should register under 607-111-DW.

RATTRAPAGE SESSION

ONLINE REGISTRATION: Tues., June 11, 1:00 p.m. to Thurs., June 13, 12:00 p.m.
Please note: No schedule conflicts will be permitted.

SESSION DE RATTRAPAGE

INSCRIPTION EN LIGNE : du mardi 11 juin à 13h00 au jeudi 13 juin à 12h00
Remarque : aucun conflit d'horaire ne sera autorisé.

CHEMISTRY

FINAL EXAM: THURSDAY, AUGUST 1

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 16001 Mon. to Thurs. 9:00 – 12:45 (June 25 – July 30)

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 \$10.*

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

FRENCH

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

Mise à niveau pour français, langue seconde de la 5^e 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

Section 16001 Mon. to Thurs. 9:00 – 13:00 (June 25 – July 22)

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

Section 16001 Mon. to Thurs. 9:00 – 13:00 (June 25 – July 22)

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.

Communiquer en français pour l'EUF

602-RF1-DW | 60 hours

Mise à niveau 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 16001 Mon. to Thurs. 9:00 – 13:00 (June 25 – July 22)

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

Mise à niveau 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 UF0 OU Élève ayant réussi le cours 602-RF1-DW OU placement.

Section 16001 Mon. to Thurs. 9:00 – 13:00 (June 25 – July 22)

Section 16002 Mon. to Thurs. 9:00 – 13:00 (June 25 – July 22) (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.

MATHEMATICS

FINAL EXAM: THURSDAY, AUGUST 1

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 16001 Mon. to Thurs. 9:00 – 12:45 (June 25 – July 30)

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 16001 Mon. to Thurs. 9:00 – 13:30 (June 25 – July 30)

This course prepares students for college-level mathematics and can be used as a prerequisite for programs requiring Mathematics 506 or 536. This course includes different types of functions such as exponential, logarithmic, quadratic, square-root, rational and piece-wise functions, composition and inverse of functions, equations, area and volume, vectors and trigonometry. *Text: McArthur, George. Remedial Activities for Sec. V Math (Functions & Trigonometry). DC Printing. Approx. \$24 (also available online in pdf file).* *Calculator: Sharp EL-531***

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 16001 Mon. to Thurs. 9:00 – 12:45 (June 25 – July 30)

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.
