

# Course List for 2021-2022

## July 4<sup>th</sup> – July 26<sup>th</sup>, 2022

**Note:**

Students taking any course in our e-Learning program **MUST** have access to Microsoft Office Suite software (word processor, spreadsheet, presentation and publisher). Assignments need to be submitted as an .rft file. All eLearning courses are offered through our [e-Learning Ontario website](#). Most novels and plays for English courses can be accessed through [SORA](#).

Course	Code
<b>Grade 9</b>	
Learning Strategies (Open)	<a href="#">GLS1O</a>
Learning Strategies (Open – French Immersion)	<a href="#">GLS1OF</a>
Healthy Living and Personal and Fitness Activities (Open)	<a href="#">PAF1O</a>
<b>Grade 10</b>	
Canadian History Since World War I (Academic)	<a href="#">CHC2D</a>
Civics (Open)	<a href="#">CHV2O</a>
Civics (French Immersion – Open)	<a href="#">CHV2OFI</a>
English (Academic)	<a href="#">ENG2D</a>
Careers (Open)	<a href="#">GLC2O</a>
Careers (French Immersion – Open)	<a href="#">GLC2OFI</a>
International Languages - Spanish (Academic)	<a href="#">LWSBD</a>
Science (Academic)	<a href="#">SNC2D</a>
Science (Applied)	<a href="#">SNC2P</a>
<b>Grade 11</b>	
Cooperative Education (Open) (French and English)	<a href="#">COOP</a>
English (College)	<a href="#">ENG3C</a>
English (University)	<a href="#">ENG3U</a>
Faith and Culture: World Religions (Open – French)	<a href="#">HRE3OF</a>
Introduction to Anthropology, Psychology, and Sociology (University)	<a href="#">HSP3U</a>
Foundations of College Mathematics (College)	<a href="#">MBF3C</a>
Functions (University)	<a href="#">MCR3U</a>
Health for Life (College)	<a href="#">PPZ3C</a>
Biology (College)	<a href="#">SBI3C</a>

<b>Grade 11</b>	
Biology (University)	<a href="#"><u>SBI3U</u></a>
Chemistry (University)	<a href="#"><u>SCH3U</u></a>
<b>Grade 12</b>	
Cooperative Education (Open) (French and English)	<a href="#"><u>COOP</u></a>
English (College)	<a href="#"><u>ENG4C</u></a>
English (University)	<a href="#"><u>ENG4U</u></a>
The Writer's Craft (University)	<a href="#"><u>EWC4U</u></a>
Religion (Open)	<a href="#"><u>HRE4O</u></a>
Foundations for College Mathematics (College)	<a href="#"><u>MAP4C</u></a>
Advanced Functions (University)	<a href="#"><u>MHF4U</u></a>
Biology (University)	<a href="#"><u>SBI4U</u></a>
Chemistry (College)	<a href="#"><u>SCH4C</u></a>
Chemistry (University)	<a href="#"><u>SCH4U</u></a>
Physics (College)	<a href="#"><u>SPH4C</u></a>
Physics (University)	<a href="#"><u>SPH4U</u></a>

# Course Descriptions

## Canadian and World Studies

### Canadian History since World War I, Grade 10 Academic (CHC2D)

This course explores social, economic, and political developments and events and their impact on the lives of different groups in Canada since 1914. Students will examine the role of conflict and cooperation in Canadian society, Canada's evolving role within the global community, and the impact of various individuals, organizations, and events on Canadian identity, citizenship, and heritage. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key issues and events in Canadian history since 1914.

*Prerequisite:* None

### Civics, Grade 10, Open (CHV20) – (ENGLISH OR FRENCH IMMERSION)

This course explores what it means to be an informed, participating citizen in a democratic society. Students will learn about the elements of democracy in local, national, and global contexts, about political reactions to social change, and about political decision-making processes in Canada. They will explore their own and others' ideas about civics questions and learn how to think critically about public issues and react responsibly to them.

*Prerequisite:* None

## Cooperative Education

### Cooperative Education (Grade 11 or 12) OFFERED IN FRENCH AND ENGLISH

Cooperative education is a planned learning experience, for which credits are earned, that integrates classroom theory and learning experiences at a workplace to enable students to apply and refine the knowledge and skills acquired in a related curriculum course or a locally developed course.

*Prerequisite:* None

## English

### English, Grade 10, Academic (ENG2D)

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyse literary texts from contemporary and historical periods, interpret and evaluate informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the selective use of strategies that contribute to effective communication. This course is intended to prepare students for the compulsory Grade 11 university or college preparation course.

*Prerequisite:* Grade 9 English, Academic or Applied

### **English, Grade 11, College (ENG3C)**

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will study the content, form, and style of a variety of informational and graphic texts, as well as literary texts from Canada and other countries, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity. The course is intended to prepare students for the compulsory Grade 12 college preparation course.

*Prerequisite:* Grade 10 English, Applied

### **English, Grade 11, University (ENG3U)**

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse challenging literary texts from various periods, countries, and cultures, as well as a range of informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on using language with precision and clarity and incorporating stylistic devices appropriately and effectively. The course is intended to prepare students for the compulsory Grade 12 university or college preparation course.

*Prerequisite:* Grade 10 English, Academic

### **English, Grade 12, College (ENG4C)**

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse a variety of informational and graphic texts, as well as literary texts from various countries and cultures, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity and developing greater control in writing. The course is intended to prepare students for college or the workplace.

*Prerequisite:* Grade 11 English, College Preparation

### **English, Grade 12, University (ENG4U)**

This course emphasizes the consolidation of the literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse a range of challenging literary texts from various periods, countries, and cultures; interpret and evaluate informational and graphic texts; and create oral, written, and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, selecting the reading strategies best suited to particular texts and particular purposes for reading, and developing greater control in writing. The course is intended to prepare students for university, college, or the workplace.

*Prerequisite:* Grade 11 English, University Preparation

### **The Writer's Craft, Grade 12, University (EWC4U)**

This course emphasizes knowledge and skills related to the craft of writing. Students will analyse models of effective writing; use a workshop approach to produce a range of works; identify and use techniques required for specialized forms of writing; and identify effective ways to improve the quality of their writing. They will also complete a major paper as part of a creative or analytical independent study project and investigate opportunities for publication and for writing careers. *Prerequisite:* Grade 11 English, University Preparation

## Guidance and Careers

### **Career Studies, Grade 10, Open (GLC20) – (ENGLISH OR FRENCH IMMERSION)**

This course teaches students how to develop and achieve personal goals for future learning, work, and community involvement. Students will assess their interests, skills, and characteristics and investigate current economic and workplace trends, work opportunities, and ways to search for work. The course explores postsecondary learning and career options, prepares students for managing work and life transitions, and helps students focus on their goals through the development of a career plan.

*Prerequisite:* None

### **Learning Strategies 1: Skills for Success in Secondary School, (GLS10) Grade 9, Open (ENGLISH OR FRENCH IMMERSION)**

This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond.

*Prerequisite:* None

## Health and Physical Education

### **Healthy Living and Personal and Fitness Activities (PAF10) Grade 9, Open**

This course enables students to further develop the knowledge and skills they need to make healthy choices. It places special emphasis on how students can maintain the habits of healthy, active living throughout their lives as they make the transition to adulthood and independent living. Through goal setting and healthy eating students will enhance their personal fitness, and confidence. Students will use activity trackers to track their personal fitness and through consultation learn about acknowledging the factors and developing skills that contribute to healthy development and well-being.

*Prerequisite:* None

### **Health for Life, Grade 11, College (PPZ3C)**

This course helps students develop a personalized approach to healthy living. Students will examine the factors that affect their own health and the health of individuals as members of the community. They will learn about the components of the Vitality approach to healthy living – an initiative that promotes healthy eating, an active lifestyle, and a positive self-image. Throughout this course, students will develop the skills necessary to take charge of and improve their own health, as well as to encourage others to lead healthy lives.

*Prerequisite:* None

## **International Languages**

### **International Languages - Spanish, Level 1, Academic (LWSBD)**

This course provides opportunities for students to begin to develop and apply skills in listening, speaking, reading, and writing in the language of study. Students will communicate and interact in structured activities, with a focus on matters of personal interest and familiar topics, and will read and write simple texts in the language. Throughout the course, students will acquire an understanding and appreciation of diverse communities in regions of the world where the language is spoken. They will also develop skills necessary for lifelong language learning.

*Prerequisite:* None

## **Mathematics**

### **Foundations for College Mathematics, Grade 12, College (MAP4C)**

This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyse data using statistical methods; solve problems involving applications of geometry and trigonometry; solve financial problems connected with annuities, budgets, and renting or owning accommodation; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades. *Prerequisite:* Foundations for College Mathematics, Grade 11, College Preparation, or Functions and Applications, Grade 11, University/College Preparation

### **Foundations for College Mathematics, Grade 11, College (MBF3C)**

This course enables students to broaden their understanding of mathematics as a problem solving tool in the real world. Students will extend their understanding of quadratic relations; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; develop their ability to reason by collecting, analysing, and evaluating data involving one variable; connect probability and statistics; and solve problems in geometry and trigonometry. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

*Prerequisite:* Foundations of Mathematics, Grade 10, Applied

### **Functions, Grade 11, University (MCR3U)**

This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; investigate inverse functions; and develop facility in determining equivalent algebraic expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

*Prerequisite:* Principles of Mathematics, Grade 10, Academic

## Science

### **Biology, Grade 11, College (SBI3C)**

This course focuses on the processes that occur in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of cellular biology, microbiology, genetics, the anatomy of mammals, and the structure of plants and their role in the natural environment. Emphasis will be placed on the practical application of concepts, and on the skills needed for further study in various branches of the life sciences and related fields.

*Prerequisite:* Grade 10 Science, Academic or Applied

### **Biology, Grade 11, University (SBI3U)**

This course furthers students' understanding of the processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biodiversity; evolution; genetic processes; the structure and function of animals; and the anatomy, growth, and function of plants. The course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation.

*Prerequisite:* Grade 10 Science, Academic

### **Biology, Grade 12, University (SBI4U)**

This course provides students with the opportunity for in-depth study of the concepts and processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biochemistry, metabolic processes, molecular genetics, homeostasis, and population dynamics. Emphasis will be placed on the achievement of detailed knowledge and the refinement of skills needed for further study in various branches of the life sciences and related fields.

*Prerequisite:* Grade 11 Biology, University Preparation

### **Chemistry, Grade 11, University (SCH3U)**

This course enables students to deepen their understanding of chemistry through the study of the properties of chemicals and chemical bonds; chemical reactions and quantitative relationships in those reactions; solutions and solubility; and atmospheric chemistry and the behaviour of gases. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment.

*Prerequisite:* Grade 10 Science, Academic

### **Chemistry, Grade 12, College (SCH4C)**

This course enables students to develop an understanding of chemistry through the study of matter and qualitative analysis, organic chemistry, electrochemistry, chemical calculations, and chemistry as it relates to the quality of the environment. Students will use a variety of laboratory techniques, develop skills in data collection and scientific analysis, and communicate scientific information using appropriate terminology. Emphasis will be placed on the role of chemistry in daily life and the effects of technological applications and processes on society and the environment. *Prerequisite:* Grade 10 Science, Academic or Applied

### **Chemistry, Grade 12, University (SCH4U)**

This course enables students to deepen their understanding of chemistry through the study of organic chemistry, the structure and properties of matter, energy changes and rates of reaction, equilibrium in chemical systems, and electrochemistry. Students will further develop their problem-solving and investigation skills as they investigate chemical processes, and will refine their ability to communicate scientific information. Emphasis will be placed on the importance of chemistry in everyday life and on evaluating the impact of chemical technology on the environment.

*Prerequisite:* Grade 11 Chemistry, University Preparation

### **Physics, Grade 12, College (SPH4C)**

This course develops students' understanding of the basic concepts of physics. Students will explore these concepts with respect to motion; mechanical, electrical, electromagnetic, energy transformation, hydraulic, and pneumatic systems; and the operation of commonly used tools and machines. They will develop their scientific investigation skills as they test laws of physics and solve both assigned problems and those emerging from their investigations. Students will also consider the impact of technological applications of physics on society and the environment.

*Prerequisite:* Grade 10 Science, Academic or Applied

### **Physics, Grade 12, University (SPH4U)**

This course enables students to deepen their understanding of physics concepts and theories. Students will continue their exploration of energy transformations and the forces that affect motion, and will investigate electrical, gravitational, and magnetic fields and electromagnetic radiation. Students will also explore the wave nature of light, quantum mechanics, and special relativity. They will further develop their scientific investigation skills, learning, for example, how to analyse, qualitatively and quantitatively, data related to a variety of physics concepts and principles. Students will also consider the impact of technological applications of physics on society and the environment.

*Prerequisite:* Grade 11 Physics, University Preparation

### **Science, Grade 10, Academic (SNC2D)**

This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science, and physics, and of the interrelationships between science, technology, society, and the environment. Students are also given opportunities to further develop their scientific investigation skills. Students will plan and conduct investigations and develop their understanding of scientific theories related to the connections between cells and systems in animals and plants; chemical reactions, with a particular focus on acid–base reactions; forces that affect climate and climate change; and the interaction of light and matter.

*Prerequisite:* Grade 9 Science, Academic or Applied

### **Science, Grade 10, Applied (SNC2P)**

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science in real-world situations. Students are given opportunities to develop further practical skills in scientific investigation. Students will plan and conduct investigations into everyday problems and issues related to human cells and body systems; chemical reactions; factors affecting climate change; and the interaction of light and matter. *Prerequisite:* Grade 9 Science, Academic or Applied



## Social Sciences and Humanities

### **Church and Culture, Grade 12, Open (HRE40)**

This course assists students in their development of the skills and knowledge necessary to live lives of full maturity. Within the Catholic faith tradition it is believed that this growth towards human maturity is best served when students are able to define themselves authentically in relation to their God, to other people and to their world. In the Family Life Education strand, students explore a variety of topics related to the themes of personhood, interpersonal relationships, and sexuality. Students will demonstrate a knowledge of the prophetic tradition in Scripture, become familiar with the social teachings of the Catholic Church, explore contemporary notions of spirituality and prayer, and recognize the importance, power and potential of the human person in relation to morality and personal choices concerning future life paths.

This course enables students to explore the moral principles of the Church and how these principles relate to them as individuals, and to contemporary culture as a whole. Students explore the role played by the Christian Scriptures, prayer, ritual, and the sacraments as they discern and live out their Christian vocation in their lives. This course also introduces students to skills used in researching and investigating contemporary moral issues and the guiding principles and teachings of the Roman Catholic Church.

*Prerequisite:* None

### **Faith and Culture: World Religion, Grade 11, Open, French (HRF30F)**

This course engages students in the examination of world religions, particularly Judaism, Christianity and Islam, First Nations, Métis and Inuit Spiritualities', and locally appropriate religious tradition(s), if suitable. This is a survey course that will help students understand the basic similarities and differences between the religious traditions so they can interact with others with acceptance and familiarity. Ontario is a multi-faith global community. Students will deepen their understanding of the various faith traditions in their local community and around the world.

*Prerequisite:* None

### **Introduction to Anthropology, Psychology, and Sociology, Grade 11, University (HSP3U)**

This course provides students with opportunities to think critically about theories, questions, and issues related to anthropology, psychology, and sociology. Students will develop an understanding of the approaches and research methods used by social scientists. They will be given opportunities to explore theories from a variety of perspectives, to conduct social science research, and to become familiar with current thinking on a range of issues within the three disciplines.

*Prerequisite:* The Grade 10 academic course in English, or the Grade 10 academic history course (Canadian and world studies)