

## Credit Course Descriptions - eLearning

### Business Studies

#### ***BBB4M1 – International Business Fundamentals, Grade 12, University/College Preparation (1.0 credit)***

This course provides an overview of the importance of international business and trade in the global economy and explores the factors that influence success in international markets. Students will learn about the techniques and strategies associated with marketing, distribution, and managing international business effectively. This course prepares students for postsecondary programs in business, including international business, marketing, and management. *Prerequisite: None*

#### ***BOH4M1 – Business Leadership: Management Fundamentals, Grade 12, University/College Preparation (1.0 credit)***

This course focuses on the development of leadership skills used in managing a successful business. Students will analyse the role of a leader in business, with a focus on decision making, management of group dynamics, workplace stress and conflict, motivation of employees, and planning. Effective business communication skills, ethics, and social responsibility are also emphasized. *Prerequisite: None*

### Canadian & World Studies

#### ***CHW3M1 – World History to the End of the 15<sup>th</sup> Century, Grade 11, University/College Preparation (1.0 credit)***

This course explores the history of various societies and civilizations around the world, from earliest times to around 1500 CE. Students will investigate a range of factors that contributed to the rise, success, and decline of various ancient and pre-modern societies throughout the world and will examine life in and the cultural and political legacy of these societies. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating social, political, and economic structures and historical forces at work in various societies and in different historical eras. *Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied*

#### ***CGG3O1 – Travel and Tourism, Grade 11, Open Level (1.0 credit)***

This course focuses on issues related to travel and tourism within and between various regions of the world. Students will investigate unique environmental, sociocultural, economic, and political characteristics of selected world regions. They will explore travel patterns and trends, as well as tensions related to tourism, and will predict future tourism destinations. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate the impact of the travel industry on natural environments and human communities. *Prerequisite: CGC1D or CGC1P*

#### ***CGW4U1 - World Issues: A Geographic Analysis, Grade 12, University Preparation (1.0 credit)***

This course explores many difficult challenges facing Canada and the world today – challenges such as unequal access to food, water, and energy; urbanization; globalization; and meeting the needs of a growing world population while ensuring the sustainability of the natural environment. Students will explore these and other world issues from environmental, social, economic, and political perspectives, while applying the concepts of geographic thinking, the geographic inquiry process, and spatial technologies to guide and support their investigations. *Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities*

#### ***CGW4C1 - World Issues: A Geographic Analysis, Grade 12, College Preparation (1.0 credit)***

This course explores many difficult challenges facing Canada and the world today – challenges such as unequal access to food, water, and energy; urbanization; globalization; and meeting the needs of a growing world population while ensuring the sustainability of the natural environment. Students will explore these and other world issues from environmental, social, economic, and political perspectives, while applying the concepts of geographic thinking, the geographic inquiry process, and spatial technologies to guide and support their investigations. *Prerequisite: Issues in Canadian Geography, Grade 9, Academic or Applied*

***CHY4C1 - World History since the 15th Century. Grade 12, College Preparation (1.0 credit)***

This course explores key developments and events in world history since approximately 1450, with a focus on interactions within and between various regions. Students will examine social, economic, and political developments and how they have affected different peoples. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key turning points in world history and historical forces that have shaped our world.

*Prerequisite:* Any university, university/college, or college preparation course in Canadian and world studies, English, or social sciences and humanities

***CHY4U1 - World History since the 15th Century. Grade 12, University Preparation (1.0 credit)***

This course traces major developments and events in world history since approximately 1450. Students will explore social, economic, and political changes, the historical roots of contemporary issues, and the role of conflict and cooperation in global interrelationships. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, as they investigate key issues and ideas and assess societal progress or decline in world history. *Prerequisite:* Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities

## **English**

***NBE3C1 – English: Contemporary Aboriginal Voices, Grade 11, College Level (1.0 credit)***

This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Students will study the content, form, and style of informational texts and literary and media works, and will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also write reports, correspondence, and persuasive essays, and analyse the relationship between media forms and audiences. An important focus will be on establishing appropriate voice and using business and technical language with precision and clarity. *Prerequisite:* ENG2P or ENG2D

***NBE3U1 – English: Contemporary Aboriginal Voices, Grade 11, University Level (1.0 credit)***

This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Through the analysis of literary texts and media works, students will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also conduct research and analyse the information gathered; write persuasive and literary essays; and analyse the relationship between media forms and audiences. An important focus will be the further development of students' understanding of English-language usage and conventions. *Prerequisite:* ENG2D

***ENG4C1 – English, Grade 12, College Preparation (1.0 credit)***

This course emphasizes consolidation of literacy, critical thinking, and communication skills. Students will analyse informational texts and literary works from various time periods, countries, and cultures; write research reports, summaries, and short analytical essays; complete an independent study project; and analyse the interactions among media forms, audiences, and media industry practices. An important focus will be on establishing appropriate style and using business and technical language effectively. *Prerequisite:* English, Grade 11, College Preparation or University Preparation

***ENG4U1 – English, Grade 12, University Preparation (1.0 credit)***

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. *Prerequisite:* English, Grade 11, University Preparation

### ***OLC4O1 – Ontario Secondary School Literacy Course, Grade 12, Open (1.0 credit)***

This course is designed to help students acquire and demonstrate the cross-curricular literacy skills that are evaluated by the Ontario Secondary School Literacy Test (OSSLT). Students who complete the course successfully will meet the provincial literacy requirement for graduation. Students will read a variety of informational, narrative, and graphic texts and will produce a variety of forms of writing, including summaries, information paragraphs, opinion pieces, and news reports. Students will also maintain and manage a portfolio containing a record of their reading experiences and samples of their writing.

## **Healthy & Physical Education**

### ***PPZ3C1 - Health For Life, Grade 11, College Level (1.0 credit)***

This course enables students to examine the factors that influence their own health practices and behaviours as well as those factors that contribute to the development of healthy communities. It emphasizes the concept of wellness, which addresses all aspects of well-being – physical, cognitive, emotional, spiritual, and social – and promotes healthy eating, physical activity, and building and maintaining a positive sense of self. Students will develop the skills necessary to make healthy choices and create a personal wellness plan. They will also design initiatives that encourage others to lead healthy, active lives. The course prepares students for college programs in health sciences, fitness, wellness, and health promotion. *Prerequisite: none*

### ***PSK4U1 – Introduction Kinesiology, Grade 11, University Level (1.0 credit)***

This course focuses on the study of human movement and of systems, factors, and principles involved in human development. Students will learn about the effects of physical activity on health and performance, the evolution of physical activity and sport, and the physiological, psychological, and social factors that influence an individual's participation in physical activity and sport. The course prepares students for university programs in physical education and health, kinesiology, health sciences, health studies, recreation, and sports administration.

*Prerequisite: Any Grade 11 university or university/college preparation course in science, or any Grade 11 or 12 course in health and physical education.*

## **Mathematics**

### ***MBF3C1 – Foundations for College Mathematics, Grade 11, College Preparation (1.0 credit)***

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: MFM2P*

### ***MAP4C1 – Foundations for College Mathematics, Grade 12, College Preparation (1.0 credit)***

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; 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: Mathematics, Grade 11, College Preparation*

### ***MHF4U1 – Advanced Functions, Grade 12, University Preparation (1.0 credit)***

This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; develop techniques for combining functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students taking the Calculus and Vectors course as a prerequisite for a university program and

for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs. *Prerequisite: MCR3U or MCT4C*

***MCT4C1 – Mathematics for College Technology, Grade 12, College Preparation (1.0 credit)***

This course enables students to extend their knowledge of functions. Students will investigate and apply properties of polynomial, exponential, and trigonometric functions; continue to represent functions numerically, graphically, and algebraically; develop facility in simplifying expressions and solving equations; and solve problems that address applications of algebra, trigonometry, vectors, and geometry. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for a variety of college technology programs. *Prerequisite: Functions and Applications, Grade 11, University/College Preparation, or Functions, Grade 11, University Preparation*

***MDM4U1 – Mathematics of Data Management, Grade 12, University Preparation (1.0 credit)***

This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing and analysing large amounts of information; solve problems involving probability and statistics; and carry out a culminating investigation that integrates statistical concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Students planning to enter university programs in business, the social sciences, and the humanities will find this course of particular interest. *Prerequisite: MCF3M or MCR3U*

**Science**

***SBI3C1 – Biology, Grade 11, College Preparation (1.0 credit)***

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: Science, Grade 10, Academic or Applied*

***SBI3U1 – Biology, Grade 11, University Preparation (1.0 credit)***

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: SNC2D*

***SCH4C1 – Chemistry, Grade 12, College Preparation (1.0 credit)***

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: SNC2P or SNC2D*

***SCH4U1 – Chemistry, Grade 12, University Preparation (1.0 credit)***

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: SCH3U*

### ***SPH3U1 – Physics, Grade 11, University Preparation (1.0 credit)***

This course develops students' understanding of the basic concepts of physics. Students will explore kinematics, with an emphasis on linear motion; different kinds of forces; energy transformations; the properties of mechanical waves and sound; and electricity and magnetism. They will enhance their scientific investigation skills as they test laws of physics. In addition, they will analyse the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment. *Prerequisite: SNC2D*

### ***SPH4C1 – Physics, Grade 12, College Preparation (1.0 credit)***

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: Science, Grade 10, Academic or Applied*

### ***SPH4U1 – Physics, Grade 12, University Preparation (1.0 credit)***

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: SPH3U*

### ***SES4U1 – Earth and Space Science, Grade 12, University Preparation (1.0 credit)***

This course develops students' understanding of Earth and its place in the universe. Students will investigate the properties of and forces in the universe and solar system and analyse techniques scientists use to generate knowledge about them. Students will closely examine the materials of Earth, its internal and surficial processes, and its geological history, and will learn how Earth's systems interact and how they have changed over time. Throughout the course, students will learn how these forces, processes, and materials affect their daily lives. The course draws on biology, chemistry, physics, and mathematics in its consideration of geological and astronomical processes that can be observed directly or inferred from other evidence. *Prerequisite: SNC2D*

## **Social Sciences & Humanities**

### ***HSC4M1 – World Cultures, Grade 12, University/College Preparation (1.0 credit)***

This course examines the nature of culture; how cultural identities are acquired, maintained, and transformed; and theories used to analyse cultures. Students will explore world cultures, with an emphasis on the analysis of religious and spiritual beliefs, art forms, and philosophy. They will study the contributions and influence of a range of cultural groups and will critically analyse issues facing ethnocultural groups within Canada and around the world. Students will develop and apply research skills and will design and implement a social action initiative relating to cultural diversity. *Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies*

### ***HSB4U1 – Challenge and Change in Society, Grade 12, University Preparation (1.0 credit)***

This course focuses on the use of social science theories, perspectives, and methodologies to investigate and explain shifts in knowledge, attitudes, beliefs, and behaviour and their impact on society. Students will critically analyse how and why cultural, social, and behavioural patterns change over time. They will explore the ideas of social theorists and use those ideas to analyse causes of and responses to challenges such as technological change, deviance, and global inequalities. Students will explore ways in which social science research methods can be used to study social change. *Prerequisite: Any university or university/college preparation course in social sciences and humanities, English, or Canadian and world studies*

***HSP3C1 – Introduction to Anthropology, Psychology and Sociology, Grade 11, College Preparation (1.0 credit)***

This course introduces students to theories, questions, and issues related to anthropology, psychology, and sociology. Students learn about approaches and research methods used by social scientists. Students will be given opportunities to apply theories from a variety of perspectives, to conduct social science research, and to become familiar with current issues within the three disciplines. *Prerequisite: none*

***HSP3U1 – Introduction to Anthropology, Psychology and Sociology, Grade 11, University Preparation (1.0 credit)***

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)*

***HSG3M1 – Gender Studies, Grade 11, University/College Preparation (1.0 credit)***

This course enables students to explore the social construction of gender. Students will learn about the dynamic nature of gender roles and norms; sexism and power relations; and the impact of representations of women and men in the media, popular culture, and the arts. Students will analyse a range of gender equity issues, including gender-based violence and workplace equity, in both Canadian and global contexts. Students will develop and apply research skills and will design and implement a social action initiative relating to gender equity. *Prerequisite: none*

**Other**

***IDC3O1 – Evolution of Gaming, Grade 11, Open Level (1.0 credit)***

In this course, students will explore the emerging field of Game Studies broadly before honing in on video games as a key sub-component of this field. Students will encounter a wide range of foci in this course, including (but not limited to): play as an act of human development; the study of board games, card games, and other analogue media; and the study of video games. This course will be of particular interest to students considering a career in game design or development. *Prerequisite: none*

***IDC4U1 – Music & Pop Culture, Grade 12, University Level (1.0 credit)***

This course combines selected expectations from CHY4U and HSB4U. In this course, students will explore the cyclical, social, and intergenerational impact that western culture has had on Rock & Roll music—and that Rock & Roll music has had on western culture. Topics to be covered include (but are not limited to): the Civil Rights movement, music as popular culture, social protest, and social activism. Genres to be covered include (but are not limited to): Blues, Rockabilly, Rock & Roll, Punk, and Britpop. *Prerequisite: Any university or university/college preparation course in social sciences and humanities, English, or Canadian and world studies*

***IDC4O1 – Music & Pop Culture, Grade 12, Open Level (1.0 credit)***

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