

GENERAL EDUCATION COURSE DESCRIPTIONS

In the descriptions below:

F – Courses offered during the Fall semester

S – Courses offered during the Spring semester

Su – Courses offered during the Summer session

A

ANT100 Introduction to Anthropology (F) 3 credits

The course will introduce the discipline of Anthropology and the concept of culture to stimulate critical questions about one's own cultural assumptions while providing insight into those of others. Emphasis will be placed on contemporary issues. (*Prerequisite: ENG104*)

B

BIO104 Environments of the BVI (F, S) 3 credits

This is an introductory, field-oriented course. Students gain a practical understanding of ecosystems diversity on the British Virgin Islands. Weekend field sessions are scheduled throughout the semester. Students study the plants, animals and environments that make up various ecosystems, including wet and dry forests, salt ponds, mangrove forests, scrub-land, sea grass beds and coral reefs. (*Prerequisites: all Pre-college Mathematics and English courses*)

BIO106 Human Health and Nutrition (F, S) 3 credits

The following course is designed to familiarize students with the functioning of the human body and the fundamentals of nutrition. The first part of the course explores human physiology, including the functioning of the major systems and the mechanisms used by the body for defence against disease. Special emphasis will be on those diseases prevalent in the British Virgin Islands. The second part of the course explores the fundamentals of nutrition and the ways in which nutrition affects health. (*Prerequisites: all Pre-college Mathematics and English courses*)

BIO110 General Biology I (F, S as needed) 4 credits

This is the first of two courses in the General Biology series. Students gain an understanding of biological chemistry, plant and animal cell biology, cell metabolism, genetics and inheritance. The laboratory portion of this course affords students practical experiences in the topics covered in class. Exercises include both laboratory and field studies. Students are taught microscopy, scientific methods, data collection, data analysis and report writing. (*Prerequisite: SC1050 or High School Certificate Grade 1 Level A-Pass in Biology or CXC General Biology grade I-III or GCE Biology Grade C. Also, all pre-college Mathematics and English courses*)

C

CHE110 General Chemistry I (F) 4 credits

This course introduces the student to the modern concepts of the nature of the atom, chemical bonding and molecular structure, chemical equations, stoichiometry, the mole concept, thermo chemistry, the periodic table, periodicity, gases and the gas laws. In the laboratory, the student is introduced to modern practices and techniques related to topics discussed in class. (*Prerequisite: SC1050 or High School Certificate Grade 1 Level A Pass in Chemistry or CXC General or GCE Chemistry Pass and High School Certificate Grade 1 Level A-Pass in Mathematics or CXC General Mathematics grade I-III or GCE Mathematics Grade C*)

COM100 Personal Development for College Success (F, S) 1 credit

The objective of this course is two-fold: to orient all entering students to the regulations and expectations of HLSCC and to provide them with the opportunity to develop their academic performance through successful study habits and active learning strategies. Topics include time management, test taking strategies and research techniques. All students are required to complete the course within their first year.

CSC104 Microcomputer Applications Software (F, S, Su)**3 credits**

This course familiarises students with the most popular applications software used in business. The two most often used software packages - word processors and spreadsheets will be covered in detail. The course also teaches students how to use the internet and the operating system. *(Prerequisite: Acceptance to any of the College's programmes)*

E

ENG104 English Composition I (F, S)**3 credits**

This course provides instruction in essay writing with an emphasis on prewriting and revision as well as a focus on engaged, attentive reading. The course is organized into units of the rhetorical strategies of essay composition including: narration, description, illustration, process analysis, causal analysis, comparison, and classification, which will all culminate into one cohesive project at the end of the semester. Students must achieve a minimum grade of C- in this course. *(Prerequisite: ENG050, 051, 052 as determined by the English Placement Exam or CXC ENG General Proficiency Grade I, II, or III or GCE O Level A, B, or C)*

ENG105 English Composition II (F, S)**3 credits**

This course reinforces the skills provided in ENG 104 and introduces academic and argumentative writing. It focuses on developing: critical reading skills to determine logical from illogical thinking (the ability to gather and process information from various sources); and the ability to produce writing that adheres to the documentation procedures of a recognised citation style (for e.g. MLA, APA, Harvard, or Chicago). *(Prerequisite: ENG104 minimum grade C-)*

ENG106 Speech Communication (F, S)**3 credits**

A practical introduction to the art of public speaking. Students will learn to plan and deliver speeches to inform, entertain and persuade. *(Prerequisite: ENG104 minimum grade C-)*

F

FRE100 Elementary French (F, S)**3 credits**

An introduction for students with little or no background in French. Emphasis on basic cultural concepts, sound grammatical knowledge and comprehension. Oral and written exercises complement aural and reading activities to provide students with a holistic view of language development.

FRE101 Intermediate French (F, S)**3 credits**

Intensive courses for students requiring further study in oral and written French. Selected reading from French texts and use of films and audio/video tapes provide opportunity to develop comprehension, fluency, literary appreciation and written discourse. *(Prerequisite: FRE100 minimum grade C-)*

H

HIS100 Caribbean History (F, S)**3 credits**

A survey course of the development of the Caribbean region from pre-Columbus to the present. It is designed to provide students with an historical background of the Caribbean experience from social, political and economic perspectives and to enable them to relate those experiences to present day Caribbean realities. *(Prerequisite: ENG104)*

HIS120 Western Civilization (F)**3 credits**

This course examines trends in the development of Western Civilization to the fall of Byzantium (1453). It is intended to expose the student to the philosophic thought which has moulded human civilizations. The linkage will be drawn between such thought and the social structure and its political economy. *(Prerequisite: ENG104)*

HIS121 World Civilization (S)**3 credits**

This course surveys the unique heritage of African, Asian, Islamic and Western Civilizations while paying close attention to the role of religious and philosophical traditions. *(Prerequisite: ENG104)*

M

MAT108 College Algebra Part 1 (F, S) 2 credits
This course covers the first half of MAT110 College Algebra. Topics include the real number system, exponents, operations with algebraic expressions, radical expressions, factoring, solving linear, quadratic, rational, absolute-value equations and inequalities, solving systems of linear equations, radical equations, complex numbers and applied problems. *(Prerequisites: MAT051 or High School Certificate-Level A-Pass in Mathematics or CXC General Mathematics grade I-III or G.C.E. O-Level Mathematics Grade C).*

MAT109 College Algebra Part 11 (F, S) 2 credits
This course covers the second half of MAT 110 College Algebra. It includes co-ordinate geometry, polynomial, rational, exponential and logarithmic functions, with graphs and applications, variation, remainder and factor theorems. *(Prerequisite: MAT108 minimum grade C)*

MAT110 College Algebra (F, S) 4 credits
Provides students with the opportunity to gain algebraic knowledge needed for many fields such as engineering, business, science, computer technology and mathematics. This course covers the fundamental concepts of college algebra including factoring, integral and rational exponents, solving equations, inequalities and systems of equations and inequalities, remainder and factor theorems, polynomial, rational, exponential and logarithmic functions with graphs and applications. *(Prerequisite: MAT051 or High School Certificate Grade 1 Level A-Credit in Mathematics- or CXC General Mathematics grades I-III or GCE O' Level Mathematics Grade B)*

MAT112 College Algebra for Business/Social Science (F, S) 4 credits
A course in pre-calculus algebra and the mathematics of finance for students whose major area is outside mathematics and science. The relevant algebra will be developed, but mathematical details will not be stressed. Emphasis will be on the applications and use of algebra in the fields of business, economics and social sciences. *(Prerequisites: MAT051 or High School Certificate Grade 1 Level A- Pass in Mathematics or CXC General Mathematics grades I-III or GCE O' Level Mathematics Grade B).*

MAT113 Introduction to Statistics (F, S) 4 credits
This course introduces methods associated with obtaining data, organising data, calculating descriptive statistics and accurately interpreting them, and using inferential measures to draw conclusions about populations. Sampling techniques, levels of measurement, measures of central tendency, measures of variation, measures of location and skewness, graphical techniques, correlation and regression, continuous and discrete probability distributions, and estimation and hypothesis testing are some of the topics that will be covered. The use of available technological functions in analysis and graphing will be taught throughout the course, and completion of a group research project is mandatory. *(Prerequisite: MAT051 or High School Certificate Grade 1 Level A-Pass in Mathematics or CXC General Mathematics grades I-III or GCE O' Level Mathematics Grade C).*

MAT115 Technical Mathematics I 3 credits
This course is designed to meet the needs of the technical-vocational students by covering the mathematics needed by students enrolled in technical-vocational programmes. Emphasis will be on the application of skills to technical problems. This course begins with a review of fundamental concepts including arithmetic operations and concepts in measurement. This is followed by several algebra topics including linear equations, factoring, fractions and quadratic equations, computational geometry, trigonometry of right and oblique triangles, trigonometric functions on the unit circle and basic statistics. *(Prerequisite: MAT051)*

P

PHI100 Introduction to Philosophy (F) 3 credits
An introduction to the various theories and ideas concerning the nature, extent and limitation of human knowledge, the nature of reality and truth, and the foundation, meaning and purpose of human values. Participants will consider major types of philosophical questions such as the principles of rational belief, the existence of God, the pursuit of the good life, the nature of knowledge, the problem of truth and verification, and the relationship of people to the world. *(Prerequisite: ENG104)*

PHY110 General Physics I (F)**4 credits**

This non-calculus based course introduces the student to mechanics - kinematics in one dimension, forces and Newton's Laws of Motion, work and energy, heat and thermodynamics (temperature and thermal expansion, heat energy and phase changes, transfer of heat energy, the Ideal Gas Law and kinetic theory). Emphasis is placed on problem solving. (*Prerequisites: SCI050 or High School Certificate Grade 1 Level A Pass in Physics or CXC Physics General Proficiency Pass or GCE O' level Physics Pass and MAT108 or MAT110 or MAT115*)

PSY100 Introduction to Psychology (F, S)**3 credits**

The student should leave this course with a basic understanding of psychology as a science. Course material should also enable the student to understand personal and inter-personal behaviour within primary and social groups and at work. (*Prerequisite: ENG104*)

S

SOC100 Introduction to Sociology (F, S)**3 credits**

The main emphasis in this course is placed on all examination of theories and perspectives that attempt to explain human behaviour. Organisation of human society, processes of change, and society's influence on individual behaviour are of concern here. Students are challenged to develop a keen awareness of the significant forces at work in society, and to understand how these forces impact on individuals and groups. (*Prerequisite: ENG104*)

SPA100 Elementary Spanish (F, S)**3 credits**

Designed for students with little or no background in Spanish. Introduces basic language structure and vocabulary. This course offers students an opportunity to communicate in everyday situations and appreciate Spanish language and culture.

SPA101 Intermediate Spanish (F, S)**3 credits**

This course offers intensive grammar review, drills in translation. Emphasizes practical vocabulary and conversation and sharpens speaking, listening and writing skills in Spanish. (*Prerequisite: SPA100 minimum grade C-*)

V

VIS110 Virgin Islands History (F, S)**3 credits**

This course is designed to provide a background of the social, political and economic history of the Virgin Islands. It traces the development of the islands from pre-Columbian times to the present time. Emphasis is placed on the economic, political and social relationships that have existed between the islands and Europe, the Caribbean and the United States of America. (*Prerequisite: ENG104*)