

# MAST @ FIU

## Biscayne Bay Campus

### COURSE DESCRIPTIONS

#### ENGLISH/LANGUAGE ARTS

##### **100132001-English Honors 1**

CREDIT: 1.0

DESIGNATION: HONORS

GRADUATION CREDIT: ENGLISH

The purpose of this course is to provide grade 9 students, using texts of high complexity, advanced integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness. The content should include, but not be limited to, instruction in the critical analysis of major literary genres. Composition instruction should focus on using the writing process in creative, logical, and critical modes, and should include frequent practice in all aspects of the writing process. Formal speaking experiences should be provided, and the critical skills of listening and observing should be taught.

#### SELECTION CONSIDERATION

Earning credit for this course precludes the earning of credit for English 1. State-authorized honors course.

##### **100135001-English Honors 2**

CREDIT: 1.0

DESIGNATION: HONORS

GRADUATION CREDIT: ENGLISH

The purpose of this course is to promote academic excellence in English language arts through the study of world literature and through enriched experiences in composition, speech and listening skills. The content should include, but not be limited to, instruction in universal themes found in world literature, as well as the critical analysis of various genres in that literature. Composition instruction should emphasize the creative, logical, and critical aspects of the writing process. Frequent practice should be provided in utilizing all aspects of composition, including prewriting, drafting, and revising with emphasis on preparation for the Florida

Comprehensive Assessment Test in Writing. The study of language should include usage, mechanics, and other elements of Standard Written English. Formal and informal speaking opportunities should be provided. Vocabulary study should focus on verbal analogies and other patterns commonly found on standardized tests.

#### SELECTION CONSIDERATION

Earning credit for this course precludes the earning of credit for English II. State-authorized honors course.

### **100138001-English Honors 3**

CREDIT: 1.0

DESIGNATION: HONORS

GRADUATION CREDIT: ENGLISH

The purpose of this course is to promote academic excellence in English language arts through enriched experiences in reading, writing, speaking, and listening and to provide instruction in the study of American literature. The content should include, but not be limited to, composition instruction with frequent practice in writing multi-paragraph essays in a variety of modes, including documented papers. Literature study should include the written and oral analysis of American literary works representing the ethnic and cultural diversity of the American experience. The study of literature should also include analysis of American dialects as reflected in the literature. Reference skills and methods of summarizing information should be taught in relation to the production of documented papers. Formal and informal oral communications activities should be provided.

#### SELECTION CONSIDERATION

Earning credit for this course precludes the earning of credit for English III. State-authorized honors course.

### **100142001-Advanced Placement English Language and Composition**

CREDIT: 1.0

DESIGNATION: ADVANCED PLACEMENT

GRADUATION CREDIT: ENGLISH

The purpose of this course is to provide students with an understanding of the semantic, structural and rhetorical resources of the English language as they relate to the principles of effective writing. The course is also designed to provide students with a variety of writing opportunities calling for the use of different styles and tones. The content should include, but not be limited to, that determined by the College Board Advanced Placement Program.

#### SELECTION CONSIDERATION

Written assignments totaling at least 12,000 words shall be a component for successful completion of this course

**100141001-English Honors 4**

CREDIT: 1.0

DESIGNATION: HONORS

GRADUATION CREDIT: ENGLISH

The purpose of this course is to promote academic excellence in English language arts through enriched experiences in communications skills and through instruction in British literature as well as other world literature as a part of our literary heritage. The content should include, but not be limited to, instruction in the written and oral analysis of major British literary works of various genres in relationship to literature of other cultures and to the development of the literary traditions of the English language. Composition instruction should emphasize writing assignments that develop students' abilities to analyze critically and to interpret information. Opportunities should also be given for students to extend speaking, listening, and viewing skills. Language study should include vocabulary development and an overview of the history of the language as reflected in literature.

**SELECTION CONSIDERATION**

Earning credit for this course precludes the earning credit for English 4. State-authorized honors course.

**100143001-Advanced Placement English Literature and Composition**

CREDIT: 1.0

DESIGNATION: ADVANCED PLACEMENT

GRADUATION CREDIT: ENGLISH

The purpose of this course is to involve students in the study and practice of writing and in the study of literature. Students should learn to use the modes of discourse and to recognize the assumptions underlying various rhetorical strategies. Students should also acquire an understanding of the resources of the language and an understanding of the writer's craft. They should develop critical standards for the appreciation of any literary work and increase their sensitivity to literature as shared experiences. The content should include, but not be limited to, that determined by the College Board Advanced Placement Program.

**SELECTION CONSIDERATION**

Written assignments totaling at least 12,000 words shall be a component for successful completion of this course.

**100630011-Journalism 1**

CREDIT: 1.0

DESIGNATION: REGULAR

GRADUATION CREDIT: ELECTIVE

The purpose of this course is to provide instruction in basic aspects of journalism and workshop experiences in journalistic production. The content should include, but not be limited to, instruction in recognizing and writing news for journalistic media and in developing editorials, sports articles, and feature stories. In addition to written work, students should receive instruction in the history and traditions of journalism as well as workshop experiences in photography, layouts, advertising, printing, and other practical aspects of journalistic enterprise. In connection with workshop experiences, one or more student journalistic productions may be included. Various aspects of journalistic production may be taught through workshop experiences and/or simulations.

#### **100633012-Journalism 4**

CREDIT: 1.0

DESIGNATION: HONORS

GRADUATION CREDIT: ELECTIVE

The purpose of this course is to provide advanced instruction in journalistic writing and production techniques. The content should include, but not be limited to, instruction in writing, designing, and managing journalistic enterprises. The emphasis in the course should be upon implementing students' creative skills and talents in writing, graphic design and/or photography, and in providing regular practice in management skills and production techniques in printed journalistic media. The course should provide opportunities to develop proficiency in various forms of journalistic writing, through the production of one or more student journalistic projects. Various aspects of journalistic production may be taught through workshop experiences and/or simulations.

#### **100633101-Journalism 5 Honors**

CREDIT: 1.0

DESIGNATION: HONORS

GRADUATION CREDIT: ELECTIVE

The purpose of this course is to provide students with practical experiences in types of writing appropriate to publications, opportunities to explore careers in mass communications, and workshop experiences in journalistic productions. The content should include, but not be limited to, the following: application of all aspects of the writing process (i.e., prewriting, drafting, editing, and proofreading) to written work application of production skills needed to produce a variety of mass communications documents organization and management techniques relating to mass communications, including leadership and business skills, time management, and use of personnel and task organization.

**100633201-Journalism 6 Honors**

CREDIT: 1.0

DESIGNATION: HONORS

GRADUATION CREDIT: ELECTIVE

The purpose of this course is to provide students with practical experiences in types of writing appropriate to publications, opportunities to explore careers in mass communications, and workshop experiences in journalistic productions. The content should include, but not be limited to, the following: application of all aspects of the writing process (i.e., prewriting, drafting, editing, and proofreading) to written work application of production skills needed to produce a variety of mass communications documents organization and management techniques relating to mass communications, including leadership and business skills, time management, and use of personnel and task organization.

**100230002-English 1 through ESOL**

CREDIT: 1.0

DESIGNATION: REGULAR

GRADUATION CREDIT: ENGLISH

The purpose of this course is to enable students who are native speakers of languages other than English to develop proficient listening, reading, and writing skills in the English language. Emphasis will be on acquisition of integrated English communication skills in a wide range of content and activities using texts of high complexity to ensure college and career preparation and readiness. The content should include, but not limited to, the following: Active reading of varied texts for what they say explicitly, as well as the logical inferences that can be drawn; analysis of literature and informational texts from varied literary periods; writing for varied purposes; effective listening, speaking, and viewing strategies with emphasis on the use of evidence to support or refute a claim in multimedia presentations, class discussions, and extended text discussions; and collaboration amongst peers.

**SELECTION CONSIDERATION**

Credit in this course will meet graduation requirements for English.

**100231002-English 2 through ESOL**

CREDIT: 1.0

DESIGNATION: REGULAR

GRADUATION CREDIT: ENGLISH

The purpose of this course is to enable students who are native speakers of languages other than English to develop proficient listening, speaking, reading, and writing skills in the English language. Emphasis will be on acquisition of integrated English communication skills in a wide range of content and activities using texts of high complexity to ensure college and career preparation and readiness. The content should include, but not be limited to, the following:

Active reading of varied texts for what they say explicitly, as well as the logical inferences that can be drawn; analysis of literature and informational texts from varied literary periods; writing for varied purposes; effective listening, speaking, and viewing strategies with emphasis on the use of evidence to support or refute a claim in multimedia presentations, class discussions, and extended text discussions; collaboration amongst peers.

#### SELECTION CONSIDERATION

Credit in this course will meet graduation requirements for English.

#### **100232002-English 3 through ESOL**

CREDIT: 1.0

DESIGNATION: REGULAR

GRADUATION CREDIT: ENGLISH

The purpose of this course is to enable students who are native speakers of languages other than English to develop proficient listening, speaking, reading, and writing skills in the English language. Emphasis will be on acquisition of integrated English communication skills in a wide range of content and activities using texts of high complexity to ensure college and career preparation and readiness. The content should include, but not be limited to, the following: Active reading of varied texts for what they say explicitly, as well as the logical inferences than can be drawn; analysis of literature and informational texts from varied literary periods; writing for varied purposes; effective listening, speaking, and viewing strategies with emphasis on the use of evidence to support or refute a claim in multimedia presentations, class discussions, and extended text discussions; and collaboration amongst peers.

#### SELECTION CONSIDERATION

Credit in this course will meet graduation requirements for English.

#### **100252002-English 4 through ESOL**

CREDIT: 1.0

DESIGNATION: REGULAR

GRADUATION CREDIT: ENGLISH

The purpose of this course is to enable students who are native speakers of languages other than English to develop proficient listening, speaking, reading, and writing skills in the English language. Emphasis will be on acquisition of integrated English communication skills in a wide range of content and activities using texts of high complexity to ensure college and career preparation and readiness. The content should include, but not be limited to, the following: Active reading of varied texts for what they say explicitly, as well as the logical inferences that can be drawn; analysis of literature and informational texts from varied literary periods; writing for varied purposes; effective listening, speaking, and viewing strategies with emphasis on the use of evidence to support or refute a claim in multimedia presentations, class discussions, and extended text discussions; collaboration amongst peers.

## SELECTION CONSIDERATION

Credit in this course will meet graduation requirements for English.

### **1002381L1-Developmental Language Arts ESOL (Reading) Level 1**

CREDIT: 1.0

DESIGNATION: REGULAR

GRADUATION CREDIT: ELECTIVE

The purpose of these courses is to provide students who are native speakers of languages other than English instruction enabling students to accelerate the development of reading and writing skills and to strengthen these skills so they are able to successfully read, write, and comprehend grade level text independently. Instruction emphasizes reading comprehension and vocabulary through the use of a variety of literary and informational texts encompassing a broad range of text structures, genres, and levels of complexity. Texts used for instruction focus on a wide range of topics, including content-area information, in order to support students in meeting the knowledge demands of increasingly complex test.

Important Note: Reading and writing courses should not be used in place of English language arts courses; reading and writing courses are intended to be used to supplement further study in English language arts.

### **1002381L2-Developmental Language Arts ESOL (Reading) Level 2**

CREDIT: 1.0

DESIGNATION: REGULAR

GRADUATION CREDIT: ELECTIVE

The purpose of this course is to provide students who are native speakers of languages other than English instruction enabling students to accelerate the development of reading and writing skills and to strengthen these skills so they can successfully read, write, and comprehend grade level text independently. Instruction emphasizes reading comprehension and vocabulary through the use of a variety of literary and informational texts encompassing a broad range of text structures, genres, and levels of complexity. Texts used for instruction focus on a wide range of topics, including content-area information, in order to support students in meeting the knowledge demands of increasingly complex text.

Important Note: Reading and writing courses should not be used in place of English language arts courses; reading and writing courses are intended to be used to supplement further study in English language arts.

### **1002381L3-Developmental Language Arts ESOL (Reading) Level 3**

CREDIT: 1.0

DESIGNATION: REGULAR

GRADUATION CREDIT: ELECTIVE

The purpose of this course is to provide students who are native speakers of languages other than English instruction enabling students to accelerate the development of reading and writing skills and to strengthen these skills so they are able to successfully read, write, and comprehend grade level text independently. Instruction emphasizes reading comprehension and vocabulary through the use of a variety of literary and informational texts encompassing a broad range of text structures, genres, and levels of complexity. Texts used for instruction focus on a wide range of topics, including content-area information, in order to support students in meeting the knowledge demands of increasingly complex text.

Important Note: Reading and writing courses should not be used in place of English language arts courses; reading and writing courses are intended to be used to supplement further study in English language arts.

### **1002381L4-Developmental Language Arts ESOL (Reading) Level 4**

CREDIT: 1.0

DESIGNATION: REGULAR

GRADUATION CREDIT: ELECTIVE

The purpose of this course is to provide students who are native speakers of languages other than English instruction enabling students to accelerate the development of reading and writing skills and to strengthen these skills so they are able to successfully read, write, and comprehend grade level text independently. Instruction emphasizes reading comprehension and vocabulary through the use of a variety of literary and informational texts encompassing a broad range of text structures, genres, and levels of complexity. Texts used for instruction focus on a wide range of topics, including content-area information, in order to support students in meeting the knowledge demands of increasingly complex text.

Important Note: Reading and writing courses should not be used in place of English language arts courses; reading and writing courses are intended to be used to supplement further study in English language arts.

## **MATHEMATICS**

### **120632001-Geometry Honors**

CREDIT: 1.0

DESIGNATION: HONORS

GRADUATION CREDIT: MATHEMATICS



The purpose of this course is to give a rigorous in-depth study of geometry with emphasis on reasoning and logic and the formal language of mathematics. Basic topics in non-Euclidean geometries will also be explored. Topics shall include, but not be limited to, structure of geometry; separation properties; angle concepts; triangles; quadrilaterals; proofs, perpendicularity and parallelism in a plane and in space; similar polygons; circles and spheres; constructions; area and volume; coordinate geometry, topology, and transformational geometry.

#### SELECTION CONSIDERATION

The earning of credit in this course precludes the earning of credit in regular Geometry.

#### **120034001-Algebra 2 Honors**

CREDIT: 1.0

DESIGNATION: HONORS

GRADUATION CREDIT: MATHEMATICS

The purpose of this course is to present an in-depth study of the topics of Algebra 2 with emphasis on theory, proof, and development of formulas, as well as their applications. Topics shall include, but not be limited to, algebraic structure; first-degree equations in one and two variables solved algebraically and graphically; systems of equations and inequalities; functions and relations; polynomials and rational expressions; exponents and radicals, logarithms; complex numbers; conic sections; polynomial equations; sequences and series; permutations, combinations and probability; and matrices.

#### SELECTION CONSIDERATION

Earning credit in this course precludes the earning of credit in Algebra 2. State-authorized honors course.

#### **121130003-Trigonometry Honors**

CREDIT: 0.5

DESIGNATION: HONORS

GRADUATION CREDIT: MATHEMATICS

The purpose of this course is to provide students with the study of circular and trigonometric functions and their applications. Topics shall include but not be limited to, circular functions; trigonometric identities; graphs of trigonometric functions; and general solutions of trigonometric equations; and solutions of right and oblique triangles.

#### SELECTION CONSIDERATION

This course is designed to follow Algebra II or Algebra II Honors or Algebra II, a technological approach and is paired with Math Analysis Honors.

**120130002-Math Analysis Honors**

CREDIT: 0.5

DESIGNATION: HONORS

GRADUATION CREDIT: MATHEMATICS

The purpose of this course is to enable students to extend their knowledge of functions, acquire additional modes of mathematical reasoning at an introductory level, and develop skills necessary for the study of calculus. Topics shall include, but not be limited to, the extension of polynomial functions, exponential and logarithmic functions, sequences and series, mathematical induction, symbolic logic, matrix algebra, the concept and theory of limits, vectors and conic sections.

**SELECTION CONSIDERATION**

This course is designed to follow Algebra II or Algebra II Honors or Algebra II, a technological approach and is paired with Trigonometry Honors

**121032001-Advanced Placement Statistics**

CREDIT: 1.0

DESIGNATION: ADVANCED PLACEMENT

GRADUATION CREDIT: MATHEMATICS

The purpose of the advanced placement (AP) course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data: observing patterns and departures from patterns; planning a study: deciding what and how to measure; anticipating patterns in advance: producing models using probability and simulation; and statistical inference: confirming models.

**SELECTION CONSIDERATION**

The AP Statistics course is an excellent option for any student who has successfully completed a second-year course in algebra, regardless of the student's intended college major. Much of the content of an introductory statistics course does not require any symbol manipulation beyond the level of first-year algebra. Students who successfully complete the course and examination may receive credit and/or advanced placement for a one-semester introductory college statistics course.

**120230001-Calculus Honors**

CREDIT: 1.0

DESIGNATION: HONORS

GRADUATION CREDIT: MATHEMATICS

The purpose of this course is to enable students to develop knowledge and skills in calculus concepts while strengthening and extending concepts learned in previous mathematics courses.

The content should include, but not be limited to, the following: functions, limits and continuity derivatives and their applications, antiderivatives, definite integrals and their applications.

### **120231001-Advanced Placement Calculus AB**

CREDIT: 1.0

DESIGNATION: ADVANCED PLACEMENT

GRADUATION CREDIT: MATHEMATICS

The purpose of this course is to study algebraic and transcendental functions and the general theory and techniques of calculus. The content should include, but not be limited to, the topics determined by the Advanced Placement Program.

#### **SELECTION CONSIDERATION**

Earning credit in this course precludes the earning of credit in Calculus.

### **120232001-Advanced Placement Calculus BC**

CREDIT: 1.0

DESIGNATION: ADVANCED PLACEMENT

GRADUATION CREDIT: MATHEMATICS

The purpose of this course is to provide an extensive study of the general theory and techniques of calculus. The content should include, but not be limited to, the topics determined by the Advanced Placement Program.

## **SCIENCE**

### **200032001-Biology 1 Honors**

CREDIT: 1.0

DESIGNATION: HONORS

GRADUATION CREDIT: BIOLOGY

The purpose of this course is to provide advanced, in-depth, exploratory experiences, laboratory experiences, and real-life applications in the biological sciences.

The content should include, but not be limited to the following: the nature of science; matter, energy, and chemical process of life; cell biology, reproduction and communication; genetic principles, diversity, and biotechnology; levels of organization, classification, and taxonomy; structure, function, and reproduction of plants, animals, and microorganisms; behavior of organisms; interdependence of organism, humans, and the environment; biological selection, adaptations, and changes through time; agriculture, food, and medical technologies, and biological careers. Laboratory investigations, which include the use of scientific research, measurement, laboratory technologies, and safety procedures, are an integral part of this course.

#### SELECTION CONSIDERATION

Completion of a credit in this course precludes the earning of credit in Biology I. State-authorized honors course.

#### **200335001-Chemistry 1 Honors**

CREDIT: 1.0

DESIGNATION: HONORS

GRADUATION CREDIT: CHEMISTRY

The purpose of this course is to provide students with a rigorous study of the composition, properties and changes associated with matter. The content should include, but not be limited to, heat, changes of matter, atomic structure, periodic table, bonding, formulas and equations, mole concept, gas laws, energy and order reaction rates and equilibrium, solutions, acids, bases, salts, nuclear chemistry, electrochemistry, and organic chemistry. Laboratory investigations of selected topics in the content which also include the use of the scientific method, measurement, laboratory apparatus and safety are an integral part of the course.

#### SELECTION CONSIDERATION

Completion of a credit in this course precludes the earning of credit in Chemistry 1. State-authorized honors course.

#### **200339001-Physics 1 Honors**

CREDIT: 1.0

DESIGNATION: HONORS

GRADUATION CREDIT: PHYSICS

The purpose of this course is to provide students with a rigorous introductory study of the theories and laws governing the interaction of matter, energy, and the forces of nature. The content should include, but not be limited to, kinematics, dynamics, energy, work and power, heat and thermodynamics, wave characteristics, light, electricity, magnetism, nuclear physics, and sound. Laboratory investigations of selected topics in the content which also include the use of the scientific method, measurement, laboratory apparatus and safety are an integral part of the course.

#### SELECTION CONSIDERATION

Completion of a credit in this course precludes the earning of credit in Physics 1. State-authorized honors course.

#### **200034001-Advanced Placement Biology**

CREDIT: 1.0

DESIGNATION: ADVANCED PLACEMENT

GRADUATION CREDIT: BIOLOGY

The purpose of this course is to provide a study of the facts, principles, and processes of biology, and the collection, interpretation, and formulation of hypotheses from available data. The content should include, but not be limited to, that determined by the Advanced Placement Program. Laboratory investigations of selected topics in the content which also include the use of the scientific method, measurement, laboratory apparatus and safety are an integral part of the course.

#### SELECTION CONSIDERATION

Completion of a credit in this course precludes the subsequent earning of credit in Biology 1 or Biology 1 Honors. This course is designed to be taken after successful completion of Biology 1 or Biology 1 Honors and Chemistry 1 or Chemistry 1 Honors.

#### **200337001-Advanced Placement Chemistry**

CREDIT: 1.0

DESIGNATION: ADVANCED PLACEMENT

GRADUATION CREDIT: CHEMISTRY

The purpose of this course is to provide a study of the development and application of chemistry principles and concepts. The content should include, but not be limited to, that determined by the Advanced Placement Program. Laboratory investigations of selected topics in the content which also include the use of the scientific method, measurement, laboratory apparatus and safety are an integral part of the course.

#### SELECTION CONSIDERATION

Completion of a credit in this course precludes the subsequent earning of credit in Chemistry, Chemistry I and/or Chemistry I Honors. This course is designed to be taken only after the successful completion of Chemistry 1 or Chemistry 1 Honors and Algebra 2.

#### **200343004-Advanced Placement Physics C: Mechanics**

CREDIT: 1.0

DESIGNATION: ADVANCED PLACEMENT

GRADUATION CREDIT: PHYSICS

The purpose of this course is to provide study in mechanics and classical electricity and magnetism. This course requires knowledge of calculus. The content should include, but not be limited to, that determined by the Advanced Placement Program. Laboratory investigations of selected topics in the content which also include the use of the scientific method, measurement, laboratory apparatus and safety are an integral part of the course.

#### SELECTION CONSIDERATION

Completion of a credit in this course precludes the subsequent earning of credit in Physics 1 or Physics 1 Honors. This course is designed as a second-year course following Physics 1 or

Physics 1 Honors. A prior or current course in calculus is required.

**200251001-Marine Science 1 Honors**

CREDIT: 1.0

DESIGNATION: HONORS

GRADUATION CREDIT: ELECTIVE

This is the first course of a two-course series that includes Marine Science 1 and 2.

The purpose of this course is to provide an overview of the marine environment, by combining the biological and physical aspects in a two year course sequence that is taught in an integrated fashion using the inquiry, hands-on investigative laboratory approach and addressing real-world concerns of the marine environment. The content should include but is not limited to: the nature of science; the origins of oceans, the chemical, physical, and geological aspects of the marine environment; ecology of various sea zones; marine communities; the diversity of marine organisms, characteristics of major marine ecosystems; characteristics of major marine phyla/divisions, the interrelationships between man and the oceans; careers involving marine science, and the history and nature of marine science.

**200253001-Marine Science 2, Honors**

CREDIT: 1.0

DESIGNATION: HONORS

GRADUATION CREDIT: ELECTIVE

This is the second course of a two-course series that includes Marine Science 1 and 2.

The purpose of this course is to provide an overview of the marine environment by combining the biological and physical aspects in a two year course sequence that is taught in an integrated fashion using the inquiry, hands-on investigative laboratory approach and addressing real-world concerns of the marine environment. The content should include but is not limited to: the nature of science; the origins of the oceans, the chemical, physical and geological aspects of the marine environment; ecology of various sea zones; marine communities; the diversity of marine organisms, characteristics of major marine ecosystems; characteristics of major marine phyla/divisions, the interrelationships between man and the oceans; careers involving marine science, and the history and nature of marine science.

**200138001-Advanced Placement Environmental Science**

CREDIT: 1.0

DESIGNATION: ADVANCED PLACEMENT

GRADUATION CREDIT: ELECTIVE

The purpose of this course is to provide the student with the study of man's interaction with the environment. The content should include, but not be limited to, that determined by the Advanced Placement Program. Laboratory investigations of selected topics in the content which also

include the use of the scientific method, measurement, laboratory apparatus and safety are an integral part of the course.

#### SELECTION CONSIDERATION

Precludes earning credit in any other environmental science.

### SOCIAL STUDIES

#### **210932001-World History Honors**

CREDIT: 1.0

DESIGNATION: HONORS

GRADUATION CREDIT: WORLD HISTORY

The purpose of this course is to provide students the opportunity to acquire a comprehensive understanding of the past in terms of change or process as related to the development of humanity. This is done by analyzing the political, economic, social, religious, military, dynastic, scientific, & cultural events that have shaped & molded humanity. Implicit in this is an understanding of the historical method, the inquiry process, historical reasoning, & the issues of external/internal validity. Specific content includes comparative views of history, the origin & development of contrasting civilizations, an analysis of cultural universals, the role of religion in historical change, the varieties of contrasting political theories & philosophies the role of science practices in the world, an analysis of the influence of the major figures & events, & interpretations concerning the historical development of the world.

#### SELECTION CONSIDERATION

Completion of credit in this course precludes the earning of credit in World History, World History Honors, and A.P. World History.

#### **210942001-Advanced Placement World History**

CREDIT: 1.0

DESIGNATION: ADVANCED PLACEMENT

GRADUATION CREDIT: WORLD HISTORY

The content should include, but not be limited to, the topics determined by the Advanced Placement Program.

#### SELECTION CONSIDERATION

It is recommended that completion of a credit in this course preclude the earning of a credit in World History, World History Honors, World History Honors, and A.P. World History Gifted.

**210735002-Advanced Placement Psychology**

CREDIT: 1.0

DESIGNATION: ADVANCED PLACEMENT

GRADUATION CREDIT: ELECTIVE

The advanced placement course in psychology introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students analyze the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the methods psychologists use in their science and practice.

**SELECTION CONSIDERATION**

This is an elective course that follows the syllabus developed by the College Board for Advanced Placement Psychology.

**210340002-Advanced Placement Human Geography**

CREDIT: 1.0

DESIGNATION: ADVANCED PLACEMENT

GRADUATION CREDIT: ELECTIVE

The content should include, but not be limited to, the topics determined by the Advanced Placement Program.

**SELECTION CONSIDERATION**

This is an elective course that follows the syllabus developed by the College Board for Advanced Placement Human Geography.

**210033001-Advanced Placement United States History**

CREDIT: 1.0

DESIGNATION: ADVANCED PLACEMENT

GRADUATION CREDIT: U.S. HISTORY

The purpose of this course is to provide students with the opportunity to develop the analytic skills and factual knowledge necessary to deal critically with the problems, content, and materials of American historic development. This is done by focusing on persistent themes and change in history and by applying historical reasoning to seek solutions to contemporary problems. Appropriate concepts and skills will be developed in connection with the content that should include, but not be limited to, that determined by the Advanced Placement Program.

**SELECTION CONSIDERATION**

Completion of credit in this course precludes the subsequent earning of credit in American History, American History Honors, or American History Honors.



**210632001-United States Government Honors**

CREDIT: 0.5

DESIGNATION: HONORS

GRADUATION CREDIT: U.S. GOVERNMENT

The purpose of this course is to provide students with the opportunity to acquire a comprehensive understanding of American government and political behavior.

Specific content to be covered will include, but not be limited to, an evaluation of those documents which shape our political traditions (the Declaration of Independence, the Constitution, and the Bill of Rights), an analysis of the roles of the three branches of government at the local, state and national levels, a comparative view of the changing nature of political parties and interest groups over time in determining government policy, an evaluation of the changing nature of citizen rights and responsibilities in a democratic state. State-authorized honors course.

**SELECTION CONSIDERATION**

Completion of credit in this course precludes the earning of credit in American Government, American Government or A.P. American Government.

**210234501-Economics with Financial Literacy Honors**

CREDIT: 0.5

DESIGNATION: HONORS

GRADUATION CREDIT: ECONOMICS

The grade 9-12 Economics course consists of the following content area strands: Economics and Geography. The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content should include, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle.

**210642001-Advanced Placement United States Government and Politics**

CREDIT: 0.5

DESIGNATION: ADVANCED PLACEMENT

GRADUATION CREDIT: U.S. GOVERNMENT

The purpose of this course is to provide students with the opportunity to acquire a comprehensive understanding of American government and political behavior.

Specific content to be covered will include, but not be limited to, an evaluation of those documents which shape our political traditions (the Declaration of Independence, the

Constitution, and the Bill of Rights), an analysis of the roles of the three branches of government at the local, state and national levels, a comparative view of the changing nature of political parties and interest groups over time in determining government policy, an evaluation of the changing nature of citizen rights and responsibilities in a democratic state, and the importance of civic participation in the democratic political process.

#### SELECTION CONSIDERATION

Completion of credit in this course precludes the subsequent earning of credit in American Government, American Government Honors, or American Government Honors.

### **210236001-Advanced Placement Microeconomics**

CREDIT: 0.5

DESIGNATION: ADVANCED PLACEMENT

GRADUATION CREDIT: ECONOMICS

The purpose of advanced placement microeconomics is to provide students with the opportunity to analyze the behavior of individual households, firms, and markets, how prices and outputs are determined in those markets, and how the price mechanism allocates resources and distributes income. Specific content to be covered will include, but not be limited to, an understanding of fundamental economic concepts including scarcity, opportunity costs and trade-offs, productivity, economic systems and institutions, and exchange, money and interdependence. The analysis of microeconomic concepts includes markets and prices, supply and demand, competition and the market structure, income distribution, market failure, and the role of government.

#### SELECTION CONSIDERATION

Completion of credit in this course precludes earning subsequent credit in Economics, Economics Honors, or Economics Honors, A.P. microeconomics.

### ELECTIVES

#### **150130001-Personal Fitness**

CREDIT: 0.5

DESIGNATION: REGULAR

GRADUATION CREDIT: PHYSICAL EDUCATION

The purpose of this course is to provide students with opportunities to develop an individual optimal level of physical fitness, acquire knowledge of physical fitness concepts, and acquire knowledge of the significance of lifestyle on one's health and fitness. The content should include, but not be limited to, knowledge of the importance of physical fitness, assessment of the health related components of physical fitness, knowledge of health problems associated with inadequate fitness levels, knowledge and application of biomechanical and physiological principles to improve and maintain the health related components of physical fitness, knowledge

of safety practices associated with physical fitness, knowledge of psychological values of physical fitness including stress management, knowledge of sound nutritional practices, and consumer issues related to physical fitness.

#### SELECTION CONSIDERATION

This is not an interscholastic extracurricular activity. This is the only course that satisfies the state minimum requirement of one semester of Physical Education in Personal Fitness. To be offered in grade 10.

#### **150131001-Fitness Lifestyle Design**

CREDIT: 0.5

DESIGNATION: REGULAR

GRADUATION CREDIT: PHYSICAL EDUCATION

The purpose of this course is to provide students with opportunities to extend the acquisition of knowledge of physical fitness concepts, acquire knowledge of designing, implementing, and evaluating a personal fitness program, and develop an individual optimal level of physical fitness. The content should include, but not be limited to, assessment of the health related components of physical fitness, further development of knowledge and application of physical fitness concepts, knowledge of designing, implementing, and evaluating a personal fitness program, knowledge of safety practices, and knowledge of consumer issues related to personal fitness programs. The design, implementation, and evaluation of an ongoing personal fitness program should be stressed.

#### SELECTION CONSIDERATION

This is not an interscholastic extracurricular activity.

#### **070834001-Spanish 1**

CREDIT: 1.0

DESIGNATION: REGULAR

GRADUATION CREDIT: FOREIGN LANGUAGE

The purpose of this course is to introduce students to the Spanish language and its culture and to develop communicative skills and cross-cultural understanding. The content should include the development of listening and speaking skills with an emphasis on pronunciation. An introduction to reading and writing is included, as well as the fundamentals of grammar and culture.

#### SELECTION CONSIDERATION

This course is for students with no previous study and/or study of Spanish.

#### **070835001-Spanish 2**

CREDIT: 1.0  
DESIGNATION: REGULAR  
GRADUATION CREDIT: FOREIGN LANGUAGE

The purpose of this course is to reinforce fundamental skills in Spanish acquired by the student. This course further develops listening, speaking, reading, and writing skills, and cultural awareness. The content should include, but not be limited to, the expansion of the listening and oral skills previously acquired. Reading and writing receive more emphasis, while oral communication and the enhancement of grammar skills remain the primary objectives. This course should include a cultural survey of the Spanish-speaking world.

**SELECTION CONSIDERATION**

This course is for students who have completed 070834001, or its equivalent.

**070132001-French 1**

CREDIT: 1.0  
DESIGNATION: REGULAR  
GRADUATION CREDIT: FOREIGN LANGUAGE

The purpose of this course is to introduce students to the French language and its culture and to develop communicative skills and cross-cultural understanding. The content includes the development of listening & speaking skills with an emphasis on pronunciation. An introduction to reading and writing and the fundamentals of grammar and culture are also presented.

**SELECTION CONSIDERATION**

This course is for students with no previous study and/or knowledge of French.

**070133001-French 2**

CREDIT: 1.0  
DESIGNATION: REGULAR  
GRADUATION CREDIT: FOREIGN LANGUAGE

The purpose of this course is to reinforce the fundamental skills previously acquired by the student. This course further develops listening, speaking, reading and writing skills and cultural awareness. The content should include, but not be limited to, activities emphasizing the expansion of the listening and oral skills previously acquired. Reading and writing receive more emphasis, while oral communication and the enhancement of grammar skills remain the primary objectives. This course should include a cultural survey of the French-speaking world.

**SELECTION CONSIDERATION**

This course is for students who have completed 070132001, or its equivalent.

**820731001-Introduction to Information Technology / Level 2**

CREDIT: 1.0

DESIGNATION: REGULAR

GRADUATION CREDIT: PRACTICAL ART

This course is designed to provide an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHTML, and XML commands; emerging technologies; and Web page design. After successful completion of Introduction to Information Technology and AOIT Programming Database, students will have met Occupational Completion Point - Data Code B, Computer Programmer Aide - OES Code 25108.

**020032001-Advanced Placement Computer Science A**

CREDIT: 1.0

DESIGNATION: ADVANCED PLACEMENT

GRADUATION CREDIT: ELECTIVE

The purpose of this course is to treat the applications of computing within the context of programming methodology, algorithms, and data structures. The content should include, but not be limited to, that which is determined by the advanced placement program.

**SELECTION CONSIDERATION**

Teacher recommendation required. Suggested co-requisite: Algebra 2. Suggested prerequisite: Computer Programming 3.

**050030001-Executive Internship 1**

CREDIT: 0.5

DESIGNATION: REGULAR

GRADUATION CREDIT: ELECTIVE

This course provides students with unique experiences through contact with professionals. The content should include job requirements, vocabulary, decision-making skills, and development of personal and educational job-related skills.

**SELECTION CONSIDERATION**

Program requires flexibility in the duration and number of contact hours. Student performance standards must be designed to meet the uniqueness of the course.