

The Academy of the Holy Cross Program of Studies 2012-2013

GRADUATION REQUIREMENTS

English	4 credits
History and Social Studies	3 credits <i>1/2 credit in US Government or Honors US Government beginning with the Class of 2016</i>
Mathematics	3 credits <i>4 credits beginning with the Class of 2016</i>
Performing Arts	1/2 credit
Physical Education and Health	1 credit (Physical Education) 1/2 credit (Health)
Science	2 1/2 credits (must include Biology and a physical science) <i>3 credits beginning with the Class of 2016 (must include Biology and a physical science)</i>
Theology	4 credits
Visual Arts	1/2 credit (Art Fundamentals)
World Languages	2 credits (in the same language) <i>3 credits beginning with the Class of 2016 (2 in the same language)</i>
Electives	3 credits <i>4 1/2 credits beginning with the Class of 2016</i>



DEPARTMENT OF ENGLISH

4 credits required

201 English I (1 credit)

Grade 9; Full Year

In the first year of the English program, students acquire a background in classical mythology. Following the study of literary themes and conventions found in mythology, the students trace these themes and conventions chronologically in British poetry and drama in order to understand and appreciate the literary traditions of western civilization. Students develop language skills in vocabulary, grammar, writing, and oral communication. During the second semester, all ninth graders participate in a field trip to the National Gallery.

251 Honors English I (1 credit)

Grade 9; Full Year

Prerequisite: Departmental Approval

In addition to the material covered in English I, the students read Fitzgerald's translation of The Odyssey, additional short stories, and critical evaluations of works under discussion. They present seminars and do independent study and research.

202 English II (1 credit)

Grade 10; Full Year

Students continue the study of British Literature, beginning with Renaissance Literature and progressing through modern British Literature. Students explore and examine the traditions of British Literature through a study of developing genres, such as the satiric essay, the novel, the modern short story, and poetry. Students write several types of literary analyses and produce individual and group creative projects. Students learn and practice research skills by producing a well-documented paper and add to their vocabulary word bank. Students will continue the study of language skills begun in English I.

252 Honors English II (1 credit)

Grade 10; Full Year

Prerequisite: Departmental Approval

In an expansion of the material covered in English II, students read more works by representative authors, and explore additional types of literary analyses, write more modeling assignments, and produce additional individual and group projects while probing the literature in greater depth and moving at a faster pace. Students research and write an extended essay on a literary work.

203 English III (1 credit)

Grade 11; Full Year

Students examine the development of American Literature and thought, beginning with colonial literature and progressing through contemporary American Literature, and read selected works representing various genres. They also write critical analyses of these works and model poetic style in writing original poetry and short stories.

217 Advanced Placement English Language and Composition (1 credit)

Grade 11; Full Year

Prerequisite: Departmental Approval

Students engage in the careful reading of expository prose in order to understand and analyze expository prose passages and recast sentences. Students also develop their ability to recall and organize information in an extensive way and penetrating manner. Students engage in the study of American Literature focusing primarily, but not exclusively, on expository prose. Students prepare for, and are required to take, the Advanced Placement Exam in May.

218 Advanced Placement English Literature and Composition (1 credit)

Grade 12; Full Year

Prerequisite: Departmental Approval

Students engage in the careful reading of literature and the careful analyses of many works in order to sharpen their awareness of language and their understanding of the writer's craft. Students read each work and write about it with the critical awareness of the full range of its stylistic features, its structure, and its meaning. Through units on poetry, the short story, the novel, the drama, and the essay, students develop critical standards essential for the independent appreciation of any literary work and increase their appreciation of literature as a shared experience. Students prepare for, and are required to take, the Advanced Placement Exam in May.

214 Shakespeare (1/2 credit)

Grade 12; 1st Semester

Students read at least three of Shakespeare's plays, including Hamlet, a comedy, and the play under production at the Shakespeare Theatre during the first semester. Students investigate the complex process of bringing a play into production. They research the creation of a theatrical production and undertake some of the tasks involved in bringing a play to life, presenting scenes from at least two plays. Students read critical essays written about the works under discussion, write their own analyses, and maintain journals reflecting the study of the plays. All students purchase at least one theater ticket and watch at least two feature-length movies on their own time.

224 Visions of the American Dream (1/2 credit)

Grade 12; 1st Semester

This course looks at a range of responses, both literary and cinematic, to the theme of the American Dream. Texts will include The Great Gatsby by F. Scott Fitzgerald, The Glass Menagerie by Tennessee Williams, All My Sons by Arthur Miller, and Digging to America by Ann Tyler. Films will include *The Visitor* and *Smoke Signals*.

231 Fantastic Realities (1/2 credit)

Grade 12; 1st Semester

This survey course examines the genre of fantastic fiction including the sub-genres of science fiction and fantasy. The focus is on writers of the Golden Age of the genre, but will include selections from more contemporary writers. Students will submit both written and oral responses to works of this fascinating but often neglected literature. Texts: The Trial by Franz Kafka; 1984 by George Orwell; Fahrenheit 451 by Ray Bradbury; The Wind-Up Bird Chronicle by Haruki Murakami.

226 Creative Writing (1/2 credit)

Grade 12; 2nd Semester

Students develop their writing skills by studying the components of poetry and fiction. Students look at creative writing as a process that involves reading, writing, and revision. Students use contemporary poems and stories as models for developing their own sense of craft, style, and voice. Students discuss their writing in a workshop environment. The texts include a poetry anthology and a fiction anthology.

222 Voices: Women Writing About Women (1/2 credit)

Grade 12; 2nd Semester

Students discover the richly diverse voices of international women writers and their origins through essays, poetry, short stories, and novels in order to appreciate fully the creation, composition, and impact of culture and ethnicity on styles of writing and forms of expression. Students read works by contemporary writers, write essays, and develop presentations, examining both the distinctive and common elements contained within these works.

225 An Age of Innocence (1/2 credit)

Grade 12; 2nd Semester

Students examine the works of two great American writers, Willa Cather and Edith Wharton. They explore the themes, styles, and philosophies of these women and their importance to American literature. Students discover each writer's gift to the American Voice. As in any literature course, emphasis falls on close reading and on written critical analyses of the texts. Works studied may include Death Comes to the Archbishop, My Antonia, O Pioneers, Age of Innocence, and House of Mirth, as well as selected short stories.

283 IB English HL I (1 credit)

Grade 11; Full Year

Prerequisite: Departmental Approval

Note: IB English HL I is the first year of a 2-year IB course.

This course will enhance the study of literature for students who have shown an interest and an aptitude in analytic reading and writing, as well as an interest in an exchange of ideas. In this course, students will work on close textual analysis, short essays, and oral presentations to prepare for the internally administered/externally monitored Oral Presentation, and for the World Literature Assignment 1, a 1000-1500 word comparative essay.

Students will analyze and discuss a variety of works in translation or in the original English, which represent a range of cultures and include a variety of viewpoints and concerns. Students will gain greater awareness of the similarities and differences between people of different cultures, different historical periods, in so far as this can be conveyed in a literature course. They will be prompted to think critically about prior assumptions and socio-centric concepts, which may unconsciously color their perceptions of others.

The course will foster the goals of the International Baccalaureate Programme by emphasizing the international, multicultural, and historical provenance or viewpoints of each work; analyzing and viewing critically the purpose of each author studied; and considering the aesthetic literary attributes of each work, which makes it worthy of study. Students will apply lessons of theme and motivation to real life scenarios, or to their understanding of historical and current events.

In the first semester, students will read three works of American Literature and the selected World Literature novel, exploring the theme of Individual and Society and Personal Choices. In the second semester, students will read three works of World Literature focused on the theme of Exploration of One's Identity.

284 IB English HL II (1 credit)

Grade 12; Full Year

Prerequisite: IB English HL I and Departmental Approval

Note: IB English HL II is the second year of a two-year IB course.

The first part of IB English HL II covers the required "Detailed Study" of the IB curriculum, in which students will read, analyze, and discuss one Shakespeare play, one work of fiction, one work of nonfiction, and a body of poetry, drawn from literature written in English. In addition to writing and/or revising their two "World Literature" essays, which will be marked externally by the IB Diploma Programme, students will also present formal oral commentaries of texts studied in the course, to be monitored externally by the IB Organization. Students will read additional material to supplement the readings prescribed by IB and will carry out writing and oral assignments, as typical of an advanced literature course. Works have been selected within the scope of the IB

Prescribed Book List to prompt the students to reflect on the conflicts and responsibilities of women as individuals in their societies.

The second part of IB English HL II presents the required “Groups of Works” component of the IB curriculum. The students will read 4 plays, 3 of which will be in the original English, and one a World Literature work read in translation. In addition to the assessments typically carried out for a course at the Academy, students will take 2 2-hour exams to be marked externally by the IB Diploma Programme.

DEPARTMENT OF HISTORY AND SOCIAL STUDIES

3 credits required

936 US Government: Principles and Structure (½ credit)

Grade 9 (required for the Class of 2016) or Grade 12; 1st or 2nd Semester

With an emphasis on current political issues, students examine the structure of United States federal, state and local governments. Students simulate Congress as they pass their own bills, interview state and local officials, and engage in classroom debate on selected problems facing US democratic institutions and society.

957 Honors US Government: Principles and Structure (½ credit)

Grade 9 (required for the Class of 2016) or Grade 12; 1st or 2nd Semester

Prerequisite: Departmental Approval

With an emphasis on current political issues, students examine the structure of United States federal, state and local governments. Students simulate Congress as they pass their own bills, interview state and local officials, and engage in classroom debate on selected problems facing US democratic institutions and society. They read and digest information independently, allowing class time to develop higher-level thinking and writing skills and to communicate their ideas clearly to others.

901 Modern World History (1 credit)

Grade 10; Full Year

Students survey significant elements of both Eastern and Western Civilization. Students study global history from prehistory to Modern times. They analyze patterns of civilization and develop chronological cross-references between cultures.

954 Honors Modern World History (1 credit)

Grade 10; Full Year

Prerequisite: Departmental Approval

Students study global history from prehistory to the modern era. Students analyze cultural patterns through the extensive use of primary source materials. Students also interact with each other through group work, panels and seminars and participate in activities that require them to use the higher cognitive skills of analysis, synthesis and evaluation.

992 Advanced Placement US Government (1 credit)

Grades 10-12; Full Year

Prerequisite: Departmental Approval

Students use a variety of primary and secondary sources to enhance their basic understanding of the structure and function of federal, state and local governments. They read and digest information independently, allowing class time to develop higher-level thinking and writing skills and to communicate their ideas clearly to others.

Students also analyze and draw conclusions on recurring themes in order to understand the relevance of these themes today. Students prepare for, and are required to take, the Advanced Placement Exam in May.

912 US History (1 credit)

Grade 11; Full Year

Students engage in a chronological historical survey of the United States from the early colonial period to the 1990s. Students define the American Experience by integrating their study of United States history with that of English III: American Literature. They write reflections on these integrations in journals written in conjunction with their American Literature class. They develop advanced geography skills, debate critical issues, analyze primary source material, and research and write about historical events.

991 Advanced Placement US History (1 credit)

Grade 11; Full Year

Prerequisite: Departmental Approval

The students analyze and interpret history by using primary sources, by writing document-based questions, and by reading interpretations by scholars in the field. They develop and write their own logical historical theses and support them with conceptual points and factual arguments. Students define the American Experience by integrating their study of United States History with that of English III: American Literature. They write reflections on these integrations in journals written in conjunction with their American Literature class. This course is offered in lieu of an honors course for U.S. History and fulfills the United States History requirement. Students prepare for, and are required to take, the Advanced Placement Exam in May.

934 Economics (1/2 credit)

Grades 11-12; 1st or 2nd Semester

Students study the economic choices they confront daily through a combination of practical problems, scientific analysis and political philosophy. In addition, students analyze related topics including money, markets, business cycles, savings, various forms of investments and the stock market. Students also learn how to read the business section of the newspaper, particularly *The Wall Street Journal*.

938 American Legal Systems (1/2 credit)

Grades 10-12; 1st or 2nd Semester

This course provides students with an understanding of the law and legal principles as used in everyday situations, emphasizing both legal rights and responsibilities. Students will learn to evaluate, analyze and determine outcomes for legal issues and disputes. This course begins with an introduction to our constitutional government and the course system, including Maryland (state) and federal courts and continues with an intensive study of criminal law and procedure, juvenile justice, torts, consumer law,

family law, and individual rights. Students prepare for and conduct a mock criminal or civil trial as a final project.

939 International Relations (1/2 credit)

Grades 10-12; 1st or 2nd Semester

Prerequisite: Modern World History or Honors Modern World History

This International Relations course focuses on the study of the nations of the world and international law. The course also studies regional and security organizations (i.e., the European Union, Organization of American States, and the North Atlantic Treaty Organization) as well as the United Nations and their histories and development, structure and problems. The focus of the course will be on contemporary issues that affect the world community.

993 Advanced Placement European History (1 credit)

Grades 11-12; Full Year

Prerequisite: Departmental Approval

AP European History is a survey course dating from approximately 1450 to the present that concentrates on major political, social, economic, intellectual and cultural themes throughout the period. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop an understanding of some of the principle themes in modern European history, an ability to analyze historical evidence and historical interpretation, and an ability to express historical understanding in writing. Students prepare for, and are required to take, the Advanced Placement Exam in May.

995 Advanced Placement Psychology (1 credit)

Grade 12; Full Year

Prerequisite: Departmental Approval

This course introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students prepare for, and are required to take, the Advanced Placement Exam in May.

981 IB Economics SL (1 credit)

Grades 11-12; Full Year

Prerequisite: Departmental Approval

Economics is a social science that focuses on human behavior-- specifically how individual and collective decisions are made within groups, nations or societies regarding the allocation of scarce resources among competing uses. Because there are different sets of assumptions regarding "rational" human behavior, there are different schools of thought within the field of economics. IB Economics SL will be taught from the free-market perspective, including both neoclassical and neo-Keynesian economics,

providing the student with an understanding of the basic principles of Western economic thought that will serve as the foundation for future studies in economics.

982 IB History HL I: History of the Americas (1 credit)

Grade 11; Full Year

Prerequisite: Departmental Approval

Note: IB History HL I is the first year of a 2-year IB course.

IB History of the Americas is a course that will focus on the history of the United States, Canada and the Spanish- and Portuguese-speaking nations of Latin America. The course is not a traditional survey course but instead a more in-depth study of key topics in post-World War II history. Students will develop greater skill at critical thinking and writing, historical study of documents and historiography.

983 IB History HL II: 20th Century World History (1 credit)

Grade 12; Full Year

Prerequisite: IB History HL I: History of the Americas

Note: IB History HL II is the second year of a 2-year IB course.

20th Century World History is a study of selected World History topics chosen to prepare students for the Higher Level Examination in history at the end of two years of study. Emphasis is placed on case studies in democratic states and the response and challenges of various nations faced with the process of decolonization. Students will also study the effects of the Cold War, especially in regional and world diplomacy. Moreover, students will cover in depth the Arab-Israeli Conflict. Students are required to demonstrate critical writing skills, the ability to work with historical documents and knowledge of historiography.

DEPARTMENT OF MATHEMATICS

3 credits required (Algebra I, II and Geometry)

4 credits required beginning with the Class of 2016

412 Algebra I (1 credit)

Grade 9; Full Year

Students begin with a fast-paced review of arithmetic topics such as order of operations, absolute value and operations with rational numbers. A thorough introduction to simplifying algebraic expressions follows, including use of the Distributive Property. Students learn to solve linear equations and inequalities in one variable. During the second semester, graphing skills are developed through the study of linear equations, systems of equations, and linear inequalities in two variables. Other major topics include algebraic solutions to systems of equations, exponents, factoring, quadratic equations and their graphs, radicals, and rational functions. Particular emphasis is placed upon applying algebraic skills to word problems in each unit. Students are taught to use, but not rely on exclusively, graphing calculators.

413 Accelerated Algebra (1 credit)

Grade 9; 1st Semester

Prerequisite: Departmental Recommendation

Note: Successful completion of the semester course yields one credit for Algebra I.

Accelerated Algebra is taken concurrently with Geometry or Honors Geometry. Students cover the second semester of Algebra I and graph linear equations, systems of equations, and linear inequalities in two variables; solve systems of equations algebraically; simplify expressions using the properties of exponents; factor polynomials using a variety of techniques; graph and solve quadratic equations; simplify radical and rational expressions; and solve radical equations. Particular emphasis is placed upon applying algebraic skills to word problems in each unit. Students are taught to use, but not rely on exclusively, graphing calculators.

411 Related Mathematics (1/2 credit)

Grade 9; 2nd Semester

Prerequisite: Departmental Recommendation

Students take this course concurrently with Algebra I. Students continue their work in Algebra I with additional reinforcement and review in order to achieve the objectives of Algebra I. Students also review basic arithmetic skills and processes. This course does not fulfill Math credit requirements.

414 Geometry (1 credit)

Grades 9-10; Full Year

Prerequisite: Algebra I

Students study the properties, measurements, and relationships of points, lines, angles, planes and solids. Topics covered include parallel lines and planes, congruent triangles, quadrilaterals, similarity, trigonometry with right triangles, circles, areas and volumes, and coordinate geometry. Students apply algebraic principles to the study of geometry.

452 Honors Geometry (1 credit)

Grades 9-10; Full Year

Prerequisite: Algebra I and Departmental Approval

Students study the properties, measurements, and relationships of points, lines, angles, planes, and solids. Topics covered include parallel lines and planes, congruent triangles, quadrilaterals, similarity, trigonometry with right triangles, circles, areas and volumes, and coordinate geometry. Students engage in analytical thinking and problem solving, write proofs, and apply algebraic principles to the study of geometry.

416 Algebra II (1 credit)

Grades 9-11; Full Year

Prerequisite: Geometry or Honors Geometry

Recommendation: Students receiving a grade below a C in Algebra I should enroll in a summer enrichment course to review Algebra I before entering this course.

Students work with sets, real number properties, linear and quadratic equations, polynomials, verbal problems, the complex number system, matrices and determinants, sequences and series, data analysis, logarithms, graphing, and additional topics.

453 Honors Algebra II (1 credit)

Grades 9-11; Full Year

Prerequisite: Geometry or Honors Geometry and Departmental Approval

Recommendation: Freshmen and Sophomores entering this course should enroll in a summer enrichment course to review Algebra I before entering this course.

Students work with sets, real number properties, linear and quadratic equations, and analyze polynomial, rational, exponential and logarithmic functions, the complex number system, matrices and determinants, data analysis and analytic geometry. Students also study sequences and series, conic sections, and probability. Students engage in analytical thinking and problem solving.

431 Concepts of Algebra II (1 credit)

Grade 11; Full Year

Prerequisite: Geometry and Departmental Recommendation

Note: Students completing Honors Geometry may not enroll.

This course will review concepts of basic algebra and introduce students to the concepts of Algebra II including linear and quadratic functions, polynomials, matrices and determinants, sequences and series.

427 Advanced Algebra (1/2 credit)

Grade 12; 2nd Semester

Prerequisite: Algebra II

Note: Students completing Honors Algebra II/Trigonometry or Precalculus may not enroll.

Note: This course will not be offered after Spring 2013.

Students study topics including equations and inequalities, functions, coordinate and analytic geometry, and probability.

428 Trigonometry (1/2 credit)

Grade 12; 1st Semester

Prerequisite: Algebra II

Note: Students completing Honors Algebra II/Trigonometry or Precalculus may not enroll.

Note: This course will not be offered after Fall 2012.

Students study topics in trigonometry including right triangles, oblique triangles, graphing trig functions, and identities.

432 Elementary Functions (1 credit)

Grade 12; Full Year

Prerequisite: Concepts of Algebra II or Algebra II (grade below a C)

Note: This course will be offered beginning 2013-2014.

Students will study functions, including polynomial, rational, radical, exponential, and logarithmic. Students will then study topics in trigonometry, including right triangles, oblique triangles, graphing, and identities.

429 Precalculus (1 credit)

Grades 11-12; Full Year

Prerequisite: Algebra II with a C or above.

Note: Students completing Honors Algebra II/Trigonometry may not enroll.

Students begin with a broad introduction to functions, and apply those ideas to right triangle and circular trigonometry from both analytical and graphical perspectives. During the second semester, the study of trigonometry continues and is followed by

study of the conic sections, complex numbers, and exponential and logarithmic functions. Graphing calculators are utilized in every aspect of the course.

454 IB/Accelerated Precalculus (1 credit)

Grades 11-12; Full Year

Prerequisite: Algebra II (A- or higher) and Departmental Recommendation; or Honors Algebra II and Departmental Recommendation; or IB Math Studies and Departmental Recommendation

This course is designed to prepare the advanced student to take AP Calculus AB or IB Math SL II. Students will study functions, including quadratic, exponential, logarithmic, and trigonometric. Other topics to be covered include matrices, vectors, probability and statistics.

421 Calculus Applications (1 credit)

Grades 11-12; Full Year

Prerequisite: Precalculus or IB/Accelerated Precalculus

Students begin by reviewing algebraic techniques that will be utilized in the course. The study of Calculus begins with an introduction to limits and then the derivative. As students learn a variety of techniques for calculating derivatives, they apply these skills to problems from business, economics and science. Trigonometric, exponential and logarithmic functions are included in each area of study. Applications of the derivative include graphing, optimization problems and related rates. The emphasis is on skills and applications, with a lesser emphasis on the theory. Students are also introduced to integration and some simple applications at the end of the course. Graphing calculators are utilized in every aspect of the course.

423 Advanced Placement Calculus AB (1 credit)

Grades 10-12; Full Year

Prerequisite: Honors Algebra II/Trigonometry or Calculus Applications and Departmental Approval

Students master the theoretical concepts and practical applications of analytical geometry, limits, functions, the differential and integral calculus of single variable functions. Students prepare for, and are required to take, the Advanced Placement Exam in May.

424 Advanced Placement Calculus BC (1 credit)

Grades 11-12; Full Year

Prerequisite: AP Calculus AB or IB Math SL I and Departmental Approval

Students master the theoretical concepts and practical applications of analytical geometry, limits, functions, the differential and integral calculus of single variable and multiple variable functions, vectors, sequences and series, and Taylor polynomials. Students prepare for, and are required to take, the Advanced Placement Exam in May.

458 Advanced Placement Statistics (1 credit)

Grades 11-12; Full Year

Prerequisite: Algebra II

Students will study topics in descriptive and inferential statistics including analysis of data, regression analysis, and hypothesis testing. Students will use technology: computer and graphing calculator. Students prepare for, and are required to take, the Advanced Placement Exam in May.

481 IB Math Studies SL (1 credit)

Grade 11-12; Full Year

Prerequisites: Algebra II, Honors Algebra II/Trigonometry

Students master concepts associated with Functions, Probability, Geometry, Trigonometry, Statistics, Financial Math and Introductory Calculus and their applications. Graphing calculators will be used extensively throughout the course.

483 IB Math SL II (1 credit)

Grades 11-12; Full Year

Prerequisite: IB/Accelerated Precalculus

Note: IB Math SL II is the second year of a 2-year IB course.

Students will be expected to master the theoretical concepts and practical applications of differential and integral calculus of single variable functions. Students will explore derivatives and integrals graphically, analytically, and numerically. Students will explore different solution techniques and will share and justify the approaches to the class. Students will use graphing calculators extensively in this course.

DEPARTMENT OF PERFORMING ARTS

1/2 credit required

512 Madrigal Singers (1 credit)

Grades 9-12; Full Year

Prerequisite: Departmental Approval and Audition

Students learn the fundamentals of singing in an *a cappella* ensemble which specializes in the performance of liturgical music. This group performs publicly many times throughout the year and attendance at these events is mandatory for all students in this class.

514 Honors Madrigal Singers (1 credit)

Grades 10-12; Full Year

Prerequisite: Two semesters of Madrigal Singers

Students learn the fundamentals of singing in an *a cappella* ensemble which specializes in the performance of liturgical music. This group performs publicly many times throughout the year and attendance at these events is mandatory for all students in this class.

510 Concert Choir (1/2 credit)

Grades 9-12; 1st or 2nd Semester

This is an ensemble group that focuses on the traditional concert style of performing. The ensemble has an active performing schedule including concerts and liturgies and offers leadership opportunities for student soloists. Students will sing and study a variety of concert literature while integrating good vocal technique. This choir is geared toward the beginning music student. Each semester students participate in public performances; attendance at these performances is mandatory.

527 Musical Theatre Choir (1/2 credit)

Grades 9-12; 2nd Semester

This is an ensemble group that focuses on musical theatre style. The ensemble has an active performing schedule and offers leadership opportunities for student soloists and choreographers. Students will sing and study a variety of music theatre literature while integrating good vocal technique. This choir is geared toward the beginning music student. Each semester students participate in public performances; attendance at these performances is mandatory.

526 Glee Choir (1/2 credit)

Grades 9-12; 1st or 2nd Semester

This is an ensemble group that focuses on popular music styles. The ensemble offers leadership opportunities for student soloists and choreographers. Performance often requires dance/movement to enhance the musical presentation. Students will sing and

study a variety of popular music literature. Students will also learn to integrate good vocal technique with dance/movement. Each semester students participate in public performances; attendance at these performances is mandatory.

516 Stagecraft (1/2 credit)

Grades 9-12; 2nd Semester

Students learn the skills necessary to realize original designs of costumes, scenery, properties and lighting. This is a project-based course where students split their time between the costume shop, the scene shop and the light/sound shop constructing for the upcoming productions.

517 Theatrical Design (1/2 credit)

Grades 9-12; 1st Semester

Students gain a better understanding of the theatre design process through projects and research. The study of costumes, scenery, props, lighting and sound is explored through art history, video production and music.

529 Digital Media & Entertainment Technologies (1/2 credit)

Grades 9-12; 1st or 2nd Semester

This course will be an introduction to, and exploration of, various technologies that are used by theatre and film makers, including theatrical visual effects (projections, lighting, sound, etc.) and film technologies (editing, green screen, foley artistry, camera operation, etc.). Students will explore the use of technology as a creative tool through hands-on lab work and various creative projects.

528 Film Studies (1/2 credit)

Grades 9-12; 1st or 2nd Semester

This course is designed to make the student familiar with the various techniques and features that comprise the art of filmmaking. The student will become aware of film's visual and aural techniques and develop skills in analyzing films through the exploration of a range of great movies from film history. Students will consider the more conceptual issues of film criticism including what constitutes film authorship, film genres, film ideology and what alternatives exist to Hollywood narrative fiction filmmaking all as a function of storytelling.

521 Instrumental Ensemble (1/2 credit)

Grades 9-12; 1st or 2nd Semester (Full Year Recommended)

Students study, rehearse and perform instrumental music of varying styles and periods. This course is open to percussion, brass, woodwind, strings and keyboard instruments. Each semester students participate in public performances; attendance at these performances is mandatory.

544 Introduction to Acting (1/2 credit)

Grades 9-12; 1st or 2nd Semester

Students gain a better understanding of the art and craft of acting, both as a performer and as a spectator. This specifically includes an application of the creative process and how it affects everyday life. This course will also cover the major areas of training for the actor. Students will engage in the acting process of physical and vocal awareness, developing the imagination and senses, observation and awareness, ensemble and group work, solo work and reflection.

554 Honors Acting (1/2 credit)

Grades 10-12; 1st or 2nd Semester

Students study in-depth performance art, theorists and psychological analysis. This is achieved through scene and monologue studies. This course will continue to cover the major areas of training for the actor. Students will engage in the acting process of physical and vocal awareness, developing the imagination and senses, observation and awareness, ensemble and group work, solo work and reflection.

562 Musical Theatre Dance (1/2 credit)

Grades 9-12; 1st or 2nd Semester

Students learn basic technical skills and style elements most closely associated with musical theatre. Students do not need to have any formal dance training or experience to be successful in this class. Each semester students participate in public performances; attendance at these performances is mandatory.

564 Jazz/Hip Hop (1/2 credit)

Grades 10-12; 1st Semester

Students spend one quarter studying jazz and one quarter studying hip hop dance. They master basic levels of movement, vocabulary and dance style for each concentration. Students must provide their own jazz shoes. Students participate in public performances; attendance at these performances is mandatory.

566 Advanced Jazz/Hip Hop (1/2 credit)

Grades 10-12; 2nd Semester

Prerequisite: Departmental Approval

Students continue to spend one quarter studying jazz and one quarter studying hip hop dance. They master more advanced levels of movement, vocabulary, and dance style for each concentration. Students must provide their own jazz shoes. Students participate in public performances; attendance at these performances is mandatory.

567 Introduction to Ballet (1/2 credit)

Grades 9-12; 1st or 2nd Semester

This course provides students with a basic understanding of the fundamental principles of classical ballet technique, encourages students to achieve a significant level of self-discipline and physical control and emphasizes the application of proper alignment and technique. Proper dance attire is required for this class and students must provide their own dance attire. Each semester students participate in public performances; attendance at these performances is mandatory.

569 Introduction to Modern Dance (1/2 credit)

Grades 9-12; 1st or 2nd Semester

This is an elementary course in basic modern dance technique that is designed to increase the movement vocabulary of the beginning dance student. It includes basic axial center techniques, loco-motor techniques and combinations of both. Emphasis is placed on physiologically sound movement progressions, energy contrasts, correct alignment, coordination, flexibility, strength and endurance. Students must provide their own dance attire. Students participate in public performances; attendance at these performances is mandatory.

570 Advanced Modern Dance (1/2 credit)

Grades 9-12; 2nd Semester

Prerequisite: Departmental Approval

This is an advanced course in modern dance technique that is designed to increase the movement vocabulary of the advanced dance student. It includes advanced axial center techniques, loco-motor techniques and combinations of both. Emphasis is placed on physiologically sound movement progressions, energy contrasts, correct alignment, coordination, flexibility, strength and endurance. Students must provide their own dance attire. Students participate in public performances; attendance at these performances is mandatory.

545 Improvisation (1/2 credit)

Grades 9-12; 1st or 2nd Semester

This course is designed for students to gain a better understanding of the performance process through comic timing, staged bits, clown techniques and mime work without reference to well-developed scripts. Through a series of classroom exercises and workshops, students will develop a strong level of self-awareness, space and environment. Each semester students participate in public performances; attendance at these performances is mandatory.

581 IB Theatre HL I (1 credit)

Grade 11; Full Year

Prerequisite: Departmental Approval

Note: IB Theatre HL I is the first year of a 2-year IB course.

IB Theatre HL I is designed to enhance artistic and meaningful learning experiences for all students who wish to challenge themselves through an in-depth study of theatre arts. Students will explore a variety of international art forms from a variety of backgrounds, cultures and gender identities. Through various out-of-class performance projects and in-class activities, students will develop personal, academic, aesthetic and practical theatre skills that will enrich their lives.

582 IB Theatre HL II (1 credit)

Grade 12; Full Year

Prerequisite: IB Theatre HL I and Departmental Approval

Note: IB Theatre HL II is the second year of a 2-year IB course.

IB Theatre HL II is designed to enhance artistic and meaningful learning experiences for all students who wish to challenge themselves through an in-depth study of theatre arts. Students will continue the exploration of a variety of international art forms from a variety of backgrounds, cultures and gender identities. Through advanced out-of-class performance projects and in-class activities students will develop personal, academic, aesthetic and practical theatre skills that will enrich their lives.

DEPARTMENT OF PHYSICAL EDUCATION AND HEALTH

1/2 credit required in Health

1 credit required in Physical Education

601 Health (1/2 credit)

Grade 9; 1st or 2nd Semester

Students discuss current adolescent issues and practices, including topics such as self-esteem, body image, eating disorders, nutrition, decision-making, conflict resolution, the use and abuse of substances, dealing with stress, anxiety and teen depression.

602 Physical Education I (1/2 credit)

Grades 9-10; 1st or 2nd Semester

Students learn the skills necessary for field sports, basketball, and volleyball and participation in fitness-related activities such as aerobics and recreational and cooperative games.

621 Physical Education II (1/2 credit)

Grades 9-10; 1st or 2nd Semester

Students develop good personal safety practices and learn physical self-defense techniques. They learn the skills of two lifetime sports-- golf and archery. Students also participate in recreational and physical fitness activities.

The following courses are electives and cannot be used to fulfill Physical Education and Health graduation requirements:

641 Physical Conditioning (1/2 credit)

Grades 11-12; 1st or 2nd Semester

Each student designs and follows a conditioning program to improve cardiovascular fitness, flexibility, muscle strength and muscle endurance. Students utilize the Academy's fitness center.

642 Introduction to Sports Medicine (1/2 credit)

Grades 10-12; 1st or 2nd Semester

Sports Medicine is designed for students interested in athletic training, physical therapy, medicine, fitness, physiology of exercise and nutrition. Students will develop an understanding and practical application of basic athletic training principles. Course includes both class work and practical hands-on application. Students will receive the necessary training for working in the Student Athletic Training program.

DEPARTMENT OF SCIENCE

2½ credits required

3 credits required beginning with the Class of 2016

803 General Biology (1 credit)

Grade 9; Full Year

Students examine a series of units covering all aspects of life sciences, studying topics such as the cell, genetics, evolution, variety and classification of various life forms, taxonomy, plant and animal structure and function, biological topics in the news and ecology. They perform laboratory exercises in addition to learning from lectures and pursuing independent work.

852 Honors Biology (1 credit)

Grade 9; Full Year

Prerequisite: Departmental Approval

Students examine the same topics covered in General Biology, covering these topics in greater depth, completing more independent projects and participating in more advanced laboratory work.

814 General Earth Science (½ credit or 1 credit)

Grades 10-12; 1st or 2nd Semester or Full Year

Students learn fundamental biological, chemical and physical principles in their study of units on geology (the solid earth), oceanography (the marine environment), meteorology (the atmosphere) and astronomy (the rest of the universe as it relates to Earth). Students examine the impact of the Space Age, the relevance of earth science to current global environmental issues and the physical earth processes at work on our planet.

859 Honors Earth Science (½ credit or 1 credit)

Grades 11-12; 1st or 2nd Semester or Full Year

Prerequisite: Departmental Approval

Students examine, in-depth, how biological, chemical and physical principals interact with the Earth. Students complete independent projects and participate in advanced laboratory work. A college-level textbook is used.

816 General Chemistry (1 credit)

Grades 10-12; Full Year

Prerequisite: Biology

Students study and perform laboratory experiments on topics including matter and energy, periodic properties, the mole concept, stoichiometry, solution chemistry, chemical equilibrium, acid/base chemistry and nuclear chemistry. They examine word problems extensively.

856 Honors Chemistry (1 credit)

Grades 10-12; Full Year

Prerequisite: Biology and Departmental Approval

Students consider the same topics covered in General Chemistry. They cover most topics in more depth and are expected to conduct more independent study and research.

817 General Physics (1 credit)

Grade 11-12; Full Year

Prerequisite: Algebra II

Students develop analytical skills through the study of forces, motion, inertia, energy, mechanics and optics. Students review mathematical skills necessary for solving problems in each area. Students study other topics such as electricity and magnetism and selected topics from modern physics.

857 Honors Physics (1 credit)

Grades 11-12; Full Year

Prerequisite: Algebra II and Departmental Approval

Students learn mathematical problem-solving skills by studying linear, two-dimensional, and circular motion. Through in-class discussion and hands-on laboratory experiments, students learn basic concepts in mechanical physics such as force, inertia, momentum, work and energy. Students are introduced to more advanced concepts in physics such as atomic structure, electricity, magnetism, and optics. Students are also introduced to selected topics in modern physics.

867 Advanced Placement Physics B (1 credit)

Grades 11-12; Full Year

Prerequisite: Physics or Honors Physics and Departmental Approval

This course builds on previous courses, introduces the principles of physics and emphasizes problem-solving, mathematical analysis and written expression of concepts. The course is modeled on the college course intended for students studying the life sciences, pre-medicine, applied sciences, and physical sciences. Topics covered include mechanics, thermal and fluid physics, waves and optics, electricity and magnetism, and modern physics. Laboratory experiments are performed in each topic. Students prepare for, and are required to take, the Advanced Placement Exam in May.

821 Anatomy and Physiology (1/2 credit or 1 credit)

Grades 11-12; 1st or 2nd Semester or Full Year

Students examine anatomy and physiology, structure and functions of the human body systems. There is an emphasis on nutrition, the prevention of diseases and birth defects.

825 Forensic Science (½ credit)

Grades 11-12; 1st or 2nd Semester

This one semester course includes a strong laboratory component with an emphasis on problem solving. Students study a variety of topics related to crime scene investigation including the criminal justice system, investigative processes and techniques, forensic pathology, toxicology and anthropology as they relate to DNA analysis.

824 Environmental Science (½ credit or 1 credit)

Grades 11-12; 1st or 2nd Semester or Full Year

Students examine basic ecological concepts including the organization and development of ecological communities, energy flow, chemical cycles, land use, water use, the marine environment and energy resources. They also analyze contemporary issues in the field of environmental science. Some of the topics considered are endangered species, deforestation, acid rain, hazardous wastes, the greenhouse effect, global urbanization and human impact on the Chesapeake Bay.

854 Advanced Placement Biology (1 credit)

Grades 11-12; Full Year

Prerequisite: Biology or Honors Biology, Chemistry or Honors Chemistry and Departmental Approval

Students research cellular and molecular biology, a variety of biological systems and organisms, as well as ecological, evolutionary and behavioral biology. Students closely examine the following topics: the unity and diversity of living organisms; the concept of evolution as an explanation of unity and diversity; homeostasis as a basic biological phenomenon; science as an on-going human experience; the collection, analysis and interpretation of data; and the application of biological principles and concepts to new situations, including those which involve humans and society. Dissection is a component of this course. The course includes extensive simulations and student participation in all of the required AP Biology labs. Students prepare for, and are required to take, the Advanced Placement Exam in May.

866 Advanced Placement Chemistry (1 credit)

Grades 11-12; Full Year

Prerequisite: Chemistry or Honors Chemistry and Departmental Approval

Students closely examine the following topics: descriptive inorganic chemistry; atomic and molecular structure; acid-base reactions; oxidation-reduction reactions; chemical bonding; stoichiometry; solution chemistry; chemical thermodynamics; chemical equilibrium; chemical kinetics; electrochemistry; and states of matter. They utilize laboratory investigations to emphasize experimental procedures, make observations, record data and calculate and interpret results based on quantitative data. Students prepare for, and are required to take, the Advanced Placement Exam in May.

880 IB Biology SL (1 credit)

Grades 11-12; Full Year

Prerequisite: Departmental Approval

This experimental science course provides students with opportunities for research and discovery. Students engage in discussions, an interdisciplinary Group IV project, laboratory work, demonstrations and dissections. This course prepares students for internal and external assessments as required by the International Baccalaureate Organization.

881 IB Biology HL I (1 credit)

Grade 11; Full Year

Prerequisite: Departmental Approval

Note: IB Biology HL I is the first year of a 2-year IB course.

This course provides students with opportunities for research and discovery. Students engage in discussions, an interdisciplinary Group IV project, demonstrations and dissections. Student inquiry and application of the scientific method are stressed throughout the course. Four fundamental themes unify the topics covered, Structure and Function, Universality versus Diversity, Equilibrium of Systems and Evolution. The major topics covered are statistical analysis, cells, the chemistry of life, genetics, ecology and evolution, human health and physiology, nucleic acids and proteins, cells and energy, and neurobiology and behavior. Students must complete all International Baccalaureate internal and external assessments, and a Group IV interdisciplinary project is included. Students sit for the external final assessment in May of their senior year.

882 IB Biology HL II (1 credit)

Grade 12; Full Year

Prerequisite: IB Biology HL I and Departmental Approval

Note: IB Biology HL II is the second year of a 2-year IB course.

See description for IB Biology HL I. Students finish preparation for the IBO-required Internal Assessment and sit for the External Assessment in May.

883 IB Environmental Systems and Societies SL (1 credit)

Grades 11-12; Full Year

Prerequisite: Departmental Approval

This course is a systematic survey of the dynamic relationship between society and the physical environment. The topics of globalization, population pressures, growth and migration will be evident throughout; along with the ethics involved in making sound environmental decisions. With a focus on population, natural resources, environmental degradation, pollution, and conservation, students will look at the interrelationships among the following topics: environmental geography, ecology, human population and cultural dynamics, and resource geography. They will study the global evolution of environmental management policies, philosophies and tools, which have developed in

response to issues such as the distribution, utilization, and degradation of natural resources, like water and petroleum. Finally, they will complete the year by looking at the interrelationships between human activities and the climatic environment, emphasizing global climatic change. All students must complete the internal and external assessments required by the International Baccalaureate Organization, including the exam in May.

884 IB Chemistry SL (1 credit)

Grades 11-12; Full Year

Prerequisite: General Chemistry or Honors Chemistry and Department Approval

IB Chemistry SL is a one-year experimental science course, with a major focus on student inquiry and application of the scientific method. In order to receive IB credit, students must complete external assessments (three written examinations at the completion of the course in May) and internal assessments (one interdisciplinary project as well as a combination of short- and long-term laboratory investigations performed throughout the year). The laboratory investigations for this course will include the use of information and communication technology. The syllabus required by the IB program consists of "core" topics (required by IB) and two "optional" topics (selected by the instructor). Core topics in chemistry will include: quantitative chemistry, atomic structure, periodicity, bonding, energetics, kinetics, equilibrium, acids and bases, oxidation and reduction, organic chemistry, measurement, and data processing. Optional topics will include human biochemistry and environmental chemistry. At the completion of the course, Juniors may elect to postpone taking the external assessments in May in order to take a second year of IB Chemistry and then complete external assessments in May of their senior year at the IB Chemistry HL level in order to receive IB Chemistry HL credit.

886 IB Physics SL (1 credit)

Grade 11-12; Full Year

Prerequisite: Honors Physics and Departmental Approval

This experimental science course has a major focus on student inquiry. The course of study follows the International Baccalaureate standard curriculum covering: mechanics, thermodynamics, wave theory, electricity & magnetism and nuclear physics. This rigorous program combines the application of concepts with laboratory work and experimental projects to challenge the student with a strong college-level experience; a Group IV interdisciplinary project is included. Students must complete all of the International Baccalaureate internal and external assessments, including the final assessment in May.

DEPARTMENT OF THEOLOGY

4 credits required

721 Revelation of Jesus (1/2 credit)

Grade 9; 1st Semester

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible, they will come to encounter the living Word of God, Jesus Christ. In the course, they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. Students will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow and love Jesus Christ more personally. Each student participates in required service projects to complement the studies of the corporal works of mercy.

761 Honors Revelation of Jesus (1/2 credit)

Grade 9; 1st Semester

Prerequisite: Departmental Approval

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible, they will come to encounter the living Word of God, Jesus Christ. In the course, they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. Students will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. Students will pay particular attention to the Gospels, where they may grow and love Jesus Christ more personally. This course includes advanced level activities, presentations and research projects that promote a prayerful study of the Sacred Scriptures. Each student participates in required projects to complement their studies of the corporal works of mercy.

741 The Blessed Trinity (1/2 credit)

Grade 9; 2nd Semester

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, and the Second Person of the Blessed Trinity. In this course, students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, students will also learn who he calls them to be. Students will study chastity and examine the Catholic teachings on sexuality based on the teachings of Jesus Christ. Students act as present-day prophets through their community service.

781 Honors Blessed Trinity (1/2 credit)

Grade 9; 2nd Semester

Prerequisite: Departmental Approval

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. In this course, students

will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, students will also learn who he calls them to be. This course will include advanced studies of the Blessed Trinity and Mary. Students will also study chastity and examine the Catholic teachings on sexuality based on the teachings of Jesus Christ. Students act as present-day prophets through their community service.

722 The Paschal Mystery (½ credit)

Grade 10; 1st Semester

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails. Students will act as Disciples of Christ through their Christian Service Commitments. (½ credit)

762 Honors Paschal Mystery (½ credit)

Grade 10; 1st Semester

Prerequisite: Departmental Approval

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails. This course will include an advanced detailed study of Salvation History. Students will act as Disciples of Christ through their Christian Service Commitments.

742 Ecclesiology (½ credit)

Grade 10; 2nd Semester

The purpose of this course is to help the students understand that in and through the Church they encounter the living Jesus Christ. They will learn how the Church was founded by Christ through the apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn about the sacred nature of the Church. They discover that the response to the demands of Catholic moral life is met in serving the needs of others.

782 Honors Ecclesiology (½ credit)

Grade 10; 2nd Semester

Prerequisite: Departmental Approval

The purpose of this course is to help the students understand that in and through the Church they encounter the living Jesus Christ. They will learn how the Church was

founded by Christ through the apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn about the sacred nature of the Church. This course will include an in-depth study of the Magisterium and major Church documents describing the inner and outer natures of the Church. Students discover that the response to the demands of Catholic moral life is met in serving the needs of others

723 Sacraments (½ credit)

Grade 11; 1st Semester

Students learn about and encounter the person of Jesus Christ through topics including: the Eucharist ascending and descending Christology, suffering and joy in the Christian life, the nature of the human person, the poor and oppressed people of the world, the historical reality of Jesus, and Christian witnesses, past and present. The Christian Service Commitment is stressed as an integral component of the person of Christ. Students' assessments include independent research, projects and papers, critical Biblical study, oral presentations, and exams.

763 Honors Sacraments (½ credit)

Grade 11; 1st Semester

Prerequisite: Departmental Approval

The purpose of this course is growth in knowledge and understanding of Jesus Christ as the Son of God and in the implication of this belief. By looking at the human experience, encountering Christ in His word and reflecting on what he said about Himself and what others have said about Him, the student will be asked to consider their own answer of who Christ is. This honors course is challenging; it is designed for the student who already knows the basics of Christianity and desires to understand more deeply. Research, theological reflection and analytic skills will be required. Writing skills are particularly emphasized. The class will engage in Socratic Circles. The Christian Service Commitment is stressed as an integral component of the person of Christ.

743 Moral Theology (½ credit)

Grade 11; 2nd Semester

The purpose of this course is to help students understand that it only through Christ that they can fully live out God's plan for their lives. Students will learn the moral concepts and precepts that govern the lives of Christ's disciples.

783 Honors Moral Theology (½ credit)

Grade 11; 2nd Semester

Prerequisite: Departmental Approval

The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plan for their lives. Students will learn the moral concepts and precepts that govern the lives of Christ's disciples. This class will require

students to study more difficult moral questions and do so in greater depth than the regular level. Consequently they will be doing more writing and independent research.

704 Church History (½ credit)

Grade 12; 1st Semester

By tracing the history of the Church from its founder Jesus Christ to the present, the student learns that the Catholic Church of today developed directly from the Church founded by Christ. The student discovers how the Church kept intact the Gospel message, developed its understanding of Christian doctrine over time, and spread this teaching throughout the world. As the history of the Church is traced, the student learns that church history is a core component of the history of the western world. They learn how it has influenced the development of culture, human values, and political rights throughout the entire world.

754 Honors Church History (½ credit)

Grade 12; 1st Semester

Prerequisite: Departmental Approval

The Honors Church History student achieves the goals of the regular Church History course, but attains a deeper understanding of the concrete contributions of the Catholic Church to western civilization and the preservation of the Christian ethic in the contemporary world. The Honors student also comes to appreciate the complexities of political and social problems with which the Church has struggled through both millennia. The course strives to objectively evaluate the historical triumphs of the Church, and her failures. Honors Church History focuses on enlightening students to the need for all those within the Body of Christ to rely on God's wisdom and courage in order to avoid the pitfalls of the past, while trying to achieve Augustine's concept of the City of God on earth.

716 Justice and Faith (½ credit)

Grade 12; 2nd Semester

The purpose of this course is to introduce students to the Church's social teaching. In this course, students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission. Each student responds to current social conditions and promotes justice through serving the community in different ways.

733 Ecumenical and Interreligious Issues (½ credit)

Grade 12; 2nd Semester

The purpose of this course is to help students understand the manner in which the Catholic Church relates to non-Christians as well as other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted to her the fullness of God's Revelation, the course is intended to help students to recognize the ways in which important spiritual truths can also be found in

non-Catholic Churches and ecclesial communities as well as in non-Christian religions. It is also intended to help them to recognize the ways in which other systems of belief and practice differ from the Catholic faith.

739 Christian Vocations (1/2 credit)

Grade 12; 2nd Semester

The purpose of this course is to help students to understand the vocations of life: how Christ calls us to live. In this course students will learn how all vocations are similar and how they differ. The course will be structured around married life, single life, priestly life and consecrated life. Students will learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community. An in-depth survey of practical living will be an important assessment for this course.

738 Sacred Scriptures (1/2 credit)

Grade 12; 2nd Semester

The purpose of this course is to give an overview of Sacred Scripture with an in-depth study to the basic principles for understanding and interpreting the Bible. Students will explore the extensive use of the Sacred Scriptures in the life of the Church. Authorship, date of composition and formation of various books will be explored. “All scripture is inspired by God and is useful for teaching, for refutation, for correction, and for training in righteousness so that one who belongs to God may be competently equipped for every good work.” (2 Timothy 3:13-17)

DEPARTMENT OF VISUAL ARTS

1/2 credit required

011 Art Fundamentals (1/2 credit)

Grades 9-12; 1st or 2nd Semester

Students explore the basic elements and principles of art. They work in the following areas: drawing, color theory and application, design, printmaking, three-dimensional forms, craft, and art history

013 Drawing (1/2 credit)

Grades 9-12; 1st or 2nd Semester

Prerequisite: Art Fundamentals

Students study drawing based on composition in a variety of media as a foundation for all the courses in the department. They explore line, form, and value and begin an introduction to basic drawing techniques applied to landscapes, interiors, still life, figure studies, and portraits/self-portraits.

015 Design: Project Runway I (1/2 credit)

Grades 9-12; 1st or 2nd Semester

Prerequisite: Art Fundamentals

Students discover and apply the principles of design and learn the basic rudiments of sewing and fashion design and garment construction in a series of "Project Runway" challenges leading to a fashion show.

016 Design: Project Runway II (1/2 credit)

Grades 9-12; 1st or 2nd Semester

Prerequisite: Design: Project Runway I

Students will build upon the basic sewing and drawing design skills learned in Design Project Runway I. This course allows students to create a "line" of clothing incorporating her design skills from the foundation course. Fashion figure drawing skills, investigation of textiles, the use of pattern and work in the area of pattern design will be enhanced. Students will consider the principles and elements of design as they apply to fashion construction.

019 Ceramics I (1/2 credit)

Grades 10-12; 1st or 2nd Semester

Prerequisite: Art Fundamentals

Students learn and apply the basic techniques involved in preparing clay (wedging) and various hand-building techniques, such as pinch, coil, slab, and drape. They create sculptural forms and learn the art of glazing.

021 Ceramics II (1/2 credit)

Grades 10-12; 1st or 2nd Semester

Prerequisite: Ceramics I

Students execute advanced techniques in ceramic art, focusing specifically on the techniques of wheel throwing and glazing. Students apply skills to perfect the technique of "throwing" on the potter's wheel.

024 Independent Study (1/2 credit)

Grades 10-12; 1st or 2nd Semester

Prerequisite: Successful completion of any art course beyond Art Fundamentals and Departmental Approval

Students pursue advanced levels of their previous art class when advanced or alternate courses are unavailable; for example: Advanced Photography, Drawing, Design, or Ceramics. Under teacher supervision, students work on an advanced and independent level. Students work during class and at independent meeting times agreed upon at the beginning of the course.

026 Painting (1/2 credit)

Grades 10-12; 1st or 2nd Semester

Prerequisite: Art Fundamentals

Students study the history of painting, use of color, form and composition in order to further their experience of painting as artistic expression. Students gain experience in acrylic and watercolor painting. They explore a variety of techniques such as transparent overlapping washes, dry-brush, pen and ink and watercolor, representational, Impressionist, non-representational, flat-design and mixed media.

028 Honors Studio Art (1 credit)

Grades 11-12; Full Year

Prerequisite: Departmental Approval; Drawing and Design are recommended

In the first semester, students refresh and expand their artistic skills in drawing from life, in design and composition, in color theory and painting. In the second semester, students expand their knowledge of these areas and apply their skills to printmaking, mixed media, and three-dimensional forms. Students investigate a variety of art styles through research and projects.

029 Photography I (1/2 credit)

Grades 10-12; 1st or 2nd Semester

Prerequisite: Art Fundamentals; must possess a 35mm film camera

Students learn the basics of operating the 35mm camera and of digital photography. They practice black and white photo darkroom techniques. Students examine balance, composition, and design in photography through many critical analyses of selected professional photographs as well as the works of the students.

030 Photography II (1/2 credit)

Grades 10-12; 1st or 2nd Semester

Prerequisite: Photography I

Students expand upon their knowledge of darkroom/black and white photography, the artistic use of digital photographs, and the expressive uses of PhotoShop in enhancing and altering black and white photographs and digital images.

058 Advanced Placement Art Studio (Portfolio) (1 credit)

Grades 11-12; Full Year

Prerequisite: Art Fundamentals and Departmental Approval

Students in this course will produce a minimum of 30 works of art. A portion of the pieces will show a quality and breath of work using a variety of media, techniques and subject matter. With the guidance of the teacher, each student will develop a theme to demonstrate a concentration of a particular visual interest or problem. At the end of the course each student will submit a portfolio for review by the administrators of the Advanced Placement program.

081 IB Visual Arts SL I (1 credit)

Grade 11; Full Year

Prerequisite: Art Fundamentals and Departmental Approval

Note: IB Visual Arts SL I is the first year of a 2-year IB course.

Students in this course will investigate the art and artifacts of world cultures, past and present, will document their research in an extensive, investigative notebook, and will create a variety of works inspired by the historical and cultural examples they have researched. IB Visual Arts SL I students will use resources within the studio, the library, the Internet and especially the museums in Washington, DC and Baltimore, MD to further develop their visual arts skills. Through directed projects, students will also develop ideas for their independent inquiry in IB Visual Arts SL II.

Students will choose one of the following options:

Option A places greater emphasis on studio work. (60% studio, 40% documented research)

Option B places greater emphasis on research. (60% documented research, 40% studio work)

082 IB Visual Arts SL II (1 credit)

Grade 12; Full Year

Prerequisite: IB Visual Arts SL I and Departmental Approval

Note: IB Visual Arts SL II is the second year of a 2-year IB course.

Students will research, develop and prepare for the evaluation and exhibition of their studio work within a theme of their choosing. IB Visual Arts SL II is primarily a student-directed course with the teacher serving as mentor and moderator. Students explore and experiment with themes and media, select and display their work, prepare

research workbooks for external evaluation and practice presentation skills for the final evaluation of their work. Students will also practice defending their work through classroom critiques, artist statements, in-school exhibitions, and mock examinations with an external evaluator.

Students will choose one of the following options:

Option A places greater emphasis on studio work. (60% studio, 40% documented research)

Option B places greater emphasis on research. (60% documented research, 40% studio work)

DEPARTMENT OF WORLD LANGUAGES

2 credits required

3 credits required beginning with the Class of 2016 (2 in the same language)

301 Latin I (1 credit)

Grade 9; Full Year

Students begin to develop a reading knowledge of Latin through examination of the nature and structure of the language. They learn basic Latin vocabulary and grammatical structures while reading original Latin by authors such as Catullus, Vergil, Cicero and Horace. Students study English derivatives and loan words, daily life in ancient Rome, the influence of Roman art and architecture, and the lasting cultural legacy of classical civilization.

302 Latin II (1 credit)

Grade 10; Full Year

Prerequisite: Latin I or equivalent

Students increase their reading proficiency by learning additional vocabulary and grammatical structures and continue to study English derivatives and loan words. The remarkable heritage of Latin in the West is explored not only in the works of Roman authors, but in those of the Middle Ages and Renaissance, as well in adapted and original Latin. Students prepare for the third year of Latin through Momentum Translation assessments and increased, careful reading.

306 Latin III (1 credit)

Grade 11-12; Full Year

Prerequisite: Latin II

In the third year of Latin, the culmination of two years of language study brings students face-to-face with the Roman past. Students read and study selections of the exuberant, impassioned verse of Catullus and the famous, mythological tales of Ovid. The culture and history of Rome reflected in these poems are examined and interpreted as well. Regular review of grammar and vocabulary, integrated with the poems read, will help students reinforce their understanding of the language.

304 Latin IV (1 credit)

Grade 12; Full Year

Prerequisite: Latin III

This course will solidify the students' knowledge of Latin through an exploration of selections from the best well-known and most important of Rome's literary achievements, Vergil's epic poem, The Aeneid. Students will study meter, figures of speech, diction, syntax, mythology, and the socio-political culture in which the poem

arose. As with Latin III, regular review of grammar and vocabulary, integrated with the readings, will help students to reinforce their understanding of the language.

388 IB Latin SL I (1 credit)

Grade 11; Full Year

Prerequisite: Latin II

In the third year of Latin, the culmination of two years of language study brings students face-to-face with the Roman past. Students read and study selections of the exuberant, impassioned verse of Catullus and the famous, mythological tales of Ovid. The culture and history of Rome reflected in these poems are examined and interpreted as well. Regular review of grammar and vocabulary, integrated with the poems read, will help students reinforce their understanding of the language. Students will learn figures of speech and scansion of Latin poetry and continue practice of momentum translation. Additional readings will be provided for study of the cultural milieu of Rome. Students will also begin to prepare their Internal Assessment project, which consists of three options: a research dossier, an oral presentation or a composition.

389 IB Latin SL II (1 credit)

Grade 12; Full Year

Prerequisite: IB Latin SL I

This course will solidify the students' knowledge of Latin through an exploration of selections from the best well-known and most important of Rome's literary achievements, Vergil's epic poem, The Aeneid. Students will study meter, figures of speech, diction, syntax, mythology and the socio-political culture in which the poem arose. As with Latin III, regular review of grammar and vocabulary, integrated with the readings, will help students reinforce their understanding of the language. Students will complete preparation of the Internal Assessment, review Ovid and Catullus via Momentum Translation and, by the end of the course, be prepared for the IB Latin Standard Level Exam.

311 French I (1 credit)

Grade 9; Full Year

In this first-year course, students are immersed in the target language as they begin to acquire simultaneously the four basic skills: understanding, speaking, reading, and writing. Each class simulates real life situations that reflect the diversity of Francophone cultures. A variety of activities is offered including original skits, watching and interpreting videos, listening, understanding and replying to audio stimuli, as well as doing many multi-faceted Internet-based activities that are both challenging and fun.

312 French II (1 credit)

Grade 10; Full Year

Prerequisite: French I or equivalent

In the second year of French, students continue their immersion in the language and culture as they develop the four basic skills. Students increase the scope of their vocabulary and structures as they expand communicating in French on various topics. Activities are communicative and proficiency based. Students learn life skills in French such as reading, writing and answering emails and business letters, how to use French Internet sites to research riding the Métro, reading the train schedule, choosing hotels for virtual trips to France and French-speaking African countries.

315 French III (1 credit)

Grades 11-12; Full Year

Prerequisite: French II or equivalent

After two years of French in an immersion context, students will be using the language not only to perform basic tasks but also more complex tasks, requiring using more higher order thinking skills. Students will read, discuss and write about a variety of topics, making inferences through knowledge acquired from other subjects. Students are required to participate actively during class time and to read and research at home on the web in French. Students will continue practicing their written French by learning how to write a resume, a business letter and how to narrate a story.

316 French IV (1 credit)

Grades 11-12; Full Year

Prerequisite: French III and Departmental Approval

Having immersed themselves in Francophone cultures for a few years, students have reached a level of proficiency that allows them to use the language to perform tasks requiring higher order thinking skills. Students will discuss and write about interesting contemporary topics, using knowledge gained in other subject areas in order to participate actively in class. Students will increase their proficiency by discussing reading selections of literary or journalistic prose by a variety of worldwide Francophone authors, as well as current event topics from French television channel TV5, role-playing, and analyzing advanced syntactic structures found in authentic sources. Written assignments will include a variety of tasks including writing various styles of letters, summaries, newspaper articles, reports, etc. Students expand their knowledge of the Francophone cultures using audio, video and Internet-based sources. They will continue to develop life skills in French. They will become proficient at using French Internet sites to do more extended research involving Francophone topics of interest.

381 IB French SL I (1 credit)

Grades 10-11; Full Year

Prerequisite: French II

Having immersed themselves in Francophone cultures for two years, students have now reached a level of proficiency that allows them to use the language to perform tasks requiring higher-order thinking skills. Students will discuss and write about interesting contemporary topics, using knowledge gained in other subject areas in order to participate actively in class. They will continue to develop life skills by compiling a resume in French, and writing business letters. They will become proficient at using French Internet sites to do more extended research involving Francophone topics of interest.

382 IB French SL II/HL I (1 credit)

Grade 11-12; Full Year

Prerequisite: Departmental Approval

At this advanced level of language study, students continue to develop understanding, speaking, writing and reading skills, as well as demonstrate heightened awareness of global issues and their impact on the French-speaking world. Immersed in the language, they will increase their proficiency by discussing reading selections of literary or journalistic prose, as well as current event topics from French television channel TV5, writing compositions, role-playing, and analyzing advanced syntactic structures found in authentic sources. Students explore literature and journalistic prose of the French-speaking world, reading works by a variety of worldwide Francophone authors. Students expand their knowledge of the Francophone cultures using audio, video and Internet-based sources. Students will prepare for IB oral and written assessments.

383 IB French HL II (1 credit)

Grade 12; Full Year

Prerequisite: IB French HL I

This challenging advanced French class motivates students to continue to put into practice all linguistic skills acquired in previous classes. Students strive to heighten their awareness of global issues and the impact on the Francophone world. Immersed in the language, they discuss reading selections of literary or journalistic prose, write a variety of essays, role-play, and analyze advanced syntactic structures found in authentic sources. Students will prepare for the internal and external IB assessments at the High Level.

321 Spanish I (1 credit)

Grade 9; Full Year

Note: This course is intended for students with little or no previous study of Spanish.

In this first-year course, students are immersed immediately in the target language as they begin to acquire the four basic skills: understanding, speaking, reading, and writing. The language program simulates real life scenarios that reflect the diversity of

the many Spanish-speaking cultures. Varied activities that stimulate learning for all types of learners are used on a daily basis, such as producing skits, watching video segments, and listening to, understanding and replying to auditory stimuli. Internet-based activities that are both challenging and fun will be incorporated into class. Active class participation is strongly encouraged.

329 Accelerated Spanish I (1 credit)

Grade 9; Full Year

Prerequisite: Placement Test and Middle School Records

In an immersion environment, students will cover the same material as Spanish I but will move at a more accelerated pace with additional activities to empower language learning. The four basic language skills will be developed simultaneously: understanding, speaking, reading, and writing. The classroom environment simulates real life scenarios that reflect the diversity of the many Spanish-speaking cultures. Varied activities that stimulate learning for all types of learners are used on a daily basis, such as producing skits, watching video segments from around the Spanish-speaking world, and listening to, understanding and replying to auditory stimuli. Internet-based activities that are both challenging and fun will be incorporated into class.

322 Spanish II (1 credit)

Grades 9-10; Full Year

Prerequisite: Spanish I or equivalent

In the second year of Spanish, students continue their immersion in the language and culture as they develop the four basic skills begun in Spanish I. They broaden their vocabulary and build on their syntactic structures in order to communicate with greater ease. They explore the values and customs of the Spanish-speaking world using video, audio and Internet-based resources.

372 Honors Spanish II (1 credit)

Grades 9-10; Full Year

Prerequisite: Accelerated Spanish I or Spanish I and Departmental Approval

In the second year of Spanish, students continue their immersion in the language and culture as they further develop the four basic skills begun in Spanish I. They continue to broaden their vocabulary and syntactic structures in order to communicate with greater ease and fluency. They explore the values and customs of the Spanish-speaking world using video, audio, print media and Internet-based resources, allowing them to explore literary as well as journalistic prose from around the Spanish-speaking world.

323 Spanish III (1 credit)

Grades 11-12; Full Year

Prerequisite: Spanish II

Students further develop their understanding, speaking, writing and reading skills. Immersed in the language, they will increase their proficiency by discussing reading

selections, writing compositions, role-playing, and analyzing advanced syntactic structures. Students expand their knowledge of the Hispanic cultures using audio, video and Internet-based sources.

324 Spanish IV (1 credit)

Grade 12; Full Year

Prerequisite: Spanish III

Students develop a more advanced level of the four language skills in the immersion classroom: understanding, speaking, reading and writing, with an emphasis on their oral communication and writing abilities. They continue to expand their knowledge of grammatical structures, as well as their ability to analyze and compare different Hispanic cultures.

385 IB Spanish SL I (1 credit)

Grade 11; Full Year

Prerequisite: Honors Spanish II and Departmental Approval

Note: IB Spanish SL I is the first year of a 2-year IB course.

Students continue to develop their basic linguistic skills as well as begin to refine higher-order thinking skills by reading, watching, listening to, discussing, and writing about interesting contemporary topics. All language used is in context with communicative purpose. The use of art, literature, journalistic prose, popular culture, music, dance and film will expose the student to how the language is used by millions every day. Students will learn to communicate effectively in a wide range of situations and will be able to understand and respond appropriately to written and spoken prompts of average difficulty.

386 IB Spanish SL II/HL I (1 credit)

Grade 11-12; Full Year

Prerequisite: Departmental Approval

Note: IB Spanish SL II is the second year of a 2-year IB course.

Note: IB Spanish HL I is the first year of a 2-year IB course.

At this advanced level of language study, students continue to develop understanding, speaking, writing and reading skills, as well as demonstrate heightened awareness of global issues and their impact on the Spanish-speaking world. Immersed in the language, they will increase their proficiency by discussing reading selections of literary or journalistic prose, writing compositions, role-playing, and analyzing advanced syntactic structures found in authentic sources. Students explore literature and journalistic prose of the Spanish-speaking world, watch and analyze the news, and read works by a variety of Spanish and Latin American authors. Students expand their knowledge of the Hispanic cultures using audio, video and Internet-based sources. Students will prepare for IB oral and written assessments.

387 IB Spanish HL II (1 credit)

Grade 12; Full Year

Prerequisite: IB Spanish HL I

Note: IB Spanish HL II is the second year of a 2-year IB course.

This challenging advanced class motivates students to continue to put into practice all linguistic skills acquired in previous classes. Students strive to heighten their awareness of global issues and the impact on the Spanish-speaking world. Immersed in the language, they discuss reading selections of literary or journalistic prose, write a variety of essays, role-play, and analyze advanced syntactic structures found in authentic sources. Students will prepare for the internal and external IB assessments.

ELECTIVES

101 LearningCorps Peer Mentoring (1 credit)

Grade 12; Full Year

Prerequisite: 3.5+ Cumulative GPA and SRC Director Approval

Students are paired with a faculty instructor to provide direct support to students in the classrooms with a commitment to improving learner outcomes. LearningCorps Peer Mentors are required to demonstrate initiative and work in collaboration with mentor teachers to generate alternatives to traditional teaching methods. Peer Mentors also support individual students in the classroom, provide a positive role model and assist teachers in other instructional activities. Regular meetings with the LearningCorps Director are scheduled during mentoring class periods and are mandatory.

102 Peer Ministry (1/2 credit)

Grades 12; 1st or 2nd Semester

Prerequisite: Application and Campus Ministry Approval

Note: Students may not enroll in the 2nd semester without having taken the first.

In the spring of the 11th grade year, students are invited to apply for the role of Peer Minister. The course requires students to build self-awareness, develop a spirituality based on contemplation and action, and investigate both spiritually and academically the roles of service and leadership. Peer Ministers serve as the spiritual leaders of the school community planning and leading our Campus Ministry programs.

154 Technology Concepts and Applications (1/2 credit)

Grades 9-12; 1st or 2nd Semester

This course provides an introduction to computers including the PC, Macintosh and various mobile devices. It will help students understand hardware and software, the history of the Internet, browsers and search engines and computer applications. Students will learn about the Windows 7 operating system and how to use the Microsoft Office Suite, which includes Word, Excel, PowerPoint, Publisher and Access.

155 Web Design (1/2 credit)

Grades 9-12; 1st or 2nd Semester

This course will provide students with skills in creating simple web pages. Students will learn basic elements of design, principles of design, HTML (Hypertext Markup Language), CSS (Cascading Style Sheets) and basic JavaScript. They will gain knowledge in designing and editing web pages, embedding images and video and creating hyperlinks. Students will create a portfolio of websites.

152 Adobe Web Collection (1/2 credit)

Grades 9-12; 1st or 2nd Semester

This course provides an introduction and overview of three of the most popular Adobe

products for creating content for print and the Internet. Students will learn the basics of Dreamweaver, Photoshop and Flash. Dreamweaver is a software program that is used to create and build websites. Photoshop is a software program used to create and manipulate images and digital photographs. Flash is a software program used to create websites, animated movies and presentations for online viewing.

153 Journalism (1/2 credit)

Grades 10-12; 1st or 2nd Semester (Full Year Recommended)

Students will learn to write high-quality journalistic pieces for the school newspaper and other publications. The course will cover the history of journalism and its purpose, ethics, and standards of writing in various modern media sources. Students will cover school news, conduct interviews, and write articles and editorials. Hands-on experience includes editing, designing layouts, and use of technology, such as Adobe Photoshop.

434 Personal Finance (1/2 credit)

Grade 12; 2nd Semester

Students examine a variety of topics including the following: stock market, investing, economics, savings, earning money, Social Security, income taxes, managing money, using money, how to pay for college and financial role-playing.

541 Public Speaking (1/2 credit)

Grades 10-12; 1st or 2nd Semester

Note: This course is required of all Madeleva Scholars.

Students learn how to be effective communicators by giving persuasive, informative, impromptu and oral interpretation speeches in the extemporaneous style. In addition, students become critical listeners and explore rhetoric in society.

181 IB Theory of Knowledge I (1 credit)

Grade 11; Full Year

Note: IB Diploma Programme Candidates only

Note: IB Theory of Knowledge I is the first year of a 2-year IB course.

Theory of Knowledge I provides the opportunity to reflect critically on the different ways knowledge is obtained and to consider the role of knowledge in our own culture as well as in the cultures of others. Students are encouraged to consider their responsibilities as citizens of the world by reflecting on their own experiences and by considering other peoples' points of view. Students will learn to generate questions, consider alternate ideas and explore multiple possible solutions, particularly in the areas of mathematics, natural sciences and human sciences.

182 IB Theory of Knowledge II (1 credit)

Grade 12; Full Year

Prerequisite: IB Theory of Knowledge I

Note: IB Diploma Programme Candidates only

Note: IB Theory of Knowledge I is the second year of a 2-year IB course.

Theory of Knowledge II continues the exploration of knowledge issues by challenging students to be aware of themselves as thinkers, encouraging them to become more acquainted with the complexity of knowledge and helping them recognize the need to act responsibly in an increasingly interconnected world. Students will continue to generate questions, consider alternate ideas and explore multiple solutions, particularly in the areas of history, ethics and the arts. Each student will make an oral presentation and write an IBO-required essay that will identify and explore a knowledge issue. The International Baccalaureate Organization will evaluate the essay.