

THEOLOGY

Old Testament and New Testament / 99.01111

(9th grade) Full year 1 credit

This course involves an overview of salvation history as depicted in the Hebrew Scriptures. Semester One is an in-depth study of the Jewish people, their experience with God, and the relationship which exists between Judaism and Christianity. This course approaches the Bible from the Catholic interpretation of Scripture, which is found in the Catechism. Semester Two teaches the scriptural roots of our faith as found in the Gospels, the Acts of the Apostles and letters of Paul. The course focuses on growing in understanding of Jesus and how Scripture can lead us closer to him. The Christian testament is the primary source for this information.

History of Faith: The Early Church and The Modern Church / 99.01133

(10th grade) Half-year .5 credit

This course is designed to teach students the origins of Christianity as a reform of Judaism, the development of major faith traditions, and the understanding of foundational theology. The origins of Christianity are examined, as well as the Church's relationship to the Roman Empire up through the medieval period. This course is a continuation of The Early Church and focuses on the growth of Christianity up through the present day, examining the role of faith, the sacraments, and the Church at various points in history beginning with the Reformation and continuing up to current challenges the Church faces today.

Catholic Identity and Catholic Social Teaching / 99.01170

(11th and 12th grade) Half-year .5 credit

This course covers basic questions of personal faith and a social commitment in today's world. The sacraments are studied in detail. Issues addressed are in the areas of personal faith, commitment to God, personal morality and social commitment to the world communities. This course teaches students to articulate and apply, with conviction and reason, faith principles. The course addresses both rational arguments for Christianity and ways in which we live out our personal call to holiness.

ENGLISH

English I / 23.06100 / Literature and Composition

(9th grade) Full Year 1 credit

This course is a balance of literature, composition, vocabulary, and grammar presented in a survey of the major genres of fiction (the short story and novel), nonfiction (the essay and autobiography), drama, poetry, and mythology. Speaking, listening, note-taking, and research skills are included with an emphasis on the development of study skills. This course encourages the development of reading skills, critical thinking, and an introduction to literary analysis.

English II / 23.06200 / World Literature

(10th grade) Full Year 1 credit

This course provides a wide variety of readings in world literature. All of the major genres are covered, but more emphasis is placed on the novel. More intense research is required and students learn to formally document their research. This course reinforces and continues to develop writing skills, expands vocabulary, improves grammar and usage, and inspires the student to incorporate critical thinking and analytical skills used for literature in class into his or her daily life.

English II H/ 23.26200 / Honors World Literature

(10th grade) Full Year 1 credit

This course provides a wide variety of readings in world literature. All of the major genres are covered, but more of an emphasis is placed on the novel. More intense research is required and students learn to formally document their research. This course reinforces and continues to develop writing skills, expands vocabulary, improves grammar and usage, and inspires the student to incorporate critical thinking and analytical skills used for literature in class into his or her daily life. The honors course moves much more rapidly, while exploring greater content in more depth. The course also requires more research and more projects than the World Literature course requires.

English III / 23.06300 / American Literature

(11th grade) Full Year 1 credit

This course is a survey of American literature studied chronologically emphasizing reading, vocabulary, and comprehension skills. Students write expository papers on literary and general topics and creative writing.

English IIIH / 23.26300 / Honors American Literature

(Department Placement) Full Year 1 credit

This course is a survey of American literature drawn from various traditions. Themes and major writers are analyzed in depth with extensive expository writing on literary and general topics. Creative writing, analysis of literary criticism, vocabulary development, advanced research skills, and test-taking strategies will also be included in the course. The course will culminate with a formal research paper.

AP English Language and Composition / 23.04300

(11th grade) Full Year, 1 credit

By the end of this introductory-level college composition course, students will become keen readers and writers in multiple genres. Reading and analyzing a broad and challenging range of mostly nonfiction prose selections, students will identify and explain authors' use of rhetorical strategies and techniques to present myriad and complex arguments. But more than readers of texts, of rhetorical strategies, and of authors' opinions, students will become readers of culture, society, and themselves; they will become sensitive to semiotics and to the way in which arguments are communicated not only verbally, but visually, orally, and graphically. To express their ever-deepening understanding of rhetorical strategies and argument, students will employ numerous and varied writing techniques.

English IV / British Literature / College Writing / 23.06400

(12th grade) Full Year 1 credit

This course combines major works of English literature with a development of more mature writing skills. Writing includes techniques of exposition, argumentation, and literary criticism with attention to mechanics and usage. Outside novels and plays and vocabulary study are part of the curriculum.

AP English Literature and Composition/ 23.06500

(Honors English, Department Placement) Full Year 1 credit

This course has been designed for students who have acquired skill in analyzing literature and who have demonstrated proficiency in writing and wish to attempt to receive college credit through the AP exam. The course includes a study of major British writers, outside novels, plays, critical writing, research, creative writing, and a major research paper.

MATH

Algebra I / 27.061000

(9th grade) Full Year 1 credit

This is the first course in a sequence which leads to the study of higher mathematics. Topics include rational numbers, equations, inequalities, polynomials, factoring, graphing, systems of equations, rational expressions, radicals, relations, and functions. (prerequisite: Pre-Algebra or equivalent)

Euclidean Geometry / 27.26300

(9th - 10th grades) Full Year 1 credit

Students make conjectures and investigate properties of triangles, quadrilaterals, polygons, circles, and solids. Conjectures are verified through deductive reasoning. Study includes a unit on formal logic. Vectors, symmetry, transformations, algebra, logic, calculators, and computers are used as tools to solve problems. Students should be able to successfully work independently as well as cooperatively and should have strong algebra skills. (prerequisite- Algebra I)

Algebra II / 27.06400

(9th - 11th grades) Full Year 1 credit

This course is designed to prepare students for the study of pre-calculus mathematics. Topics include inequalities, relations and functions, graphs, systems of equations, polynomial equations, rational equations, powers, roots, complex numbers, quadratic equations and functions, and conic sections. (prerequisite: Geometry or Advanced Geometry)

Algebra II Honors / 27.26400

(9th - 11th grades) Full Year 1 credit

This course provides a rigorous study of second year algebra. Topics include linear functions and systems, inequalities coordinates in space, polynomial and rational expressions, radicals, irrational numbers, sequences, series, polynomial functions, exponents, logarithms, matrices, conic sections, and an introduction to trigonometric functions. (prerequisite: Geometry or Advanced Geometry)

Pre-Calculus Honors / 27.26610

(11th & 12th Grades) Full Year 1 credit

The formal study of elementary functions is extended in this course. Students apply technology modeling and problem-solving skills to the study of trigonometric and circular function, identities and inverses, and their applications, including the study of polar coordinates and complex numbers. Vectors in two and three dimensions are studied and applied. Problem simulations are explored in multiple representations-algebraic, graphic, and numeric. Quadratic relations are represented in polar, rectangular, and parametric forms. The concept of limit is applied to rational functions and to discrete functions such as infinite sequences and series. The formal definition of limit is applied to proofs of the continuity of functions and provides a bridge to calculus.

AP Calculus AB / 27.07200

(12th Grade) Full Year 1 credit

An Advanced Placement (AP) course in calculus consists of a full high school academic year of work that is comparable to a calculus course in colleges and universities. AP Calculus will follow the syllabus recommended by the Advanced Placement program. Each student will complete a simulated AP exam in May which will be counted as the final exam for the course. During the last weeks of spring semester, advanced topics will be covered. The course is primarily concerned with developing students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed geometrically, numerically, analytically, and verbally. The connections among these representations are demonstrated through the use of the unifying themes of derivatives, integrals, limits, approximation, applications and modeling. A major objective of the class is to prepare students for the Advanced Placement Calculus AB exam to be given in the spring. Most universities award credit to students based upon their scores on this exam. It is mandatory for students to participate in the national exam.

Statistics

(11th and 12th Grade) Full Year 1 credit

In this course, students learn how to collect, organize, and interpret data. Classroom surveys and experiments are used to generate data for student exploration. Emphasis is placed on the application of statistical methods and the appropriate use of technology. Descriptive and Inferential statistics will be examined.

SCIENCE

Physical Science / 40.01100

(9th grade) Full Year 1 credit

An introductory laboratory course that introduces students to the fundamental principles of the behavioral and physical sciences. Students develop their understanding of the scientific method and build a foundation for understanding in laboratory practices, the principles of chemistry, physics and their physical environment.

Biology / 26.01200

(10th grade) Full Year 1 credit

A course designed to teach students the detailed workings of the cell, genetics evolution, the diversity of life including the 6 kingdoms, plant structure and function, animal structure and function, behavior and ecology. This course attempts to touch on all learning styles through lecture, group activities, computer lab activities, and laboratory work.

Biology Honors / 26.21200

(10th grade) Full Year 1 credit

A course designed to teach students the detailed workings of the cell, genetics evolution, the diversity of life including the 6 kingdoms, plant structure and function, animal structure and function, behavior and ecology at a college level for non science majors. Students will be exposed to the following activities including research papers, critiques and laboratory reports and laboratory work. This course attempts to touch on all learning styles through lecture, group activities, and computer lab activities.

Chemistry / 40.05100

(11th & 12th Grades) Full Year 1 credit

Prerequisite: Biology, Algebra 1, Departmental placement Full Year 1 credit

This academic level course is designed to introduce the concepts and laboratory techniques of importance in the study of chemistry. The course is geared to develop independent investigation of chemical concepts and principles by enhancing critical thinking skills. This is to be accomplished through inquiry activities along with structured lecture and the active building of laboratory skills.

Physics (Honors) / 40.28100

(11th & 12th Grades) Full Year 1 credit

Prerequisite: Biology, Chemistry, Algebra 1, and/or co-requisite of Trigonometry Full Year 1 credit

This course addresses the basic concepts of physics by covering the physical principles of force, motion, heat, light, sound, electricity, magnetism, quantum theory, relativity, particle physics, and nuclear physics. The course also reinforces the relationship between science and mathematics. It serves to strengthen the both critical thinking skills and mathematical skills through traditional problem solving approach.

Human Anatomy and Physiology / 26.07300

Prerequisite: Biology, Chemistry, and Algebra 1 Full Year 1 credit

This course will offer a detailed study of the major organ systems, their functions and chemical processes within the human body. Students are given the opportunity to explore the organ system through dissections of animal organs and tissues. The course will also integrate new and developing areas of study through the use of internet resources. This class is a two-semester sequence examining the structure and function of the human body and mechanisms for maintaining homeostasis within it. This class includes the study of cells, tissues and the 11 organ systems. Course is intended to be a science elective for seniors and a supplementary class for those students enrolled in AP Biology. Pre and co requisites are Physical Science, Biology and Chemistry.

AP Biology / 26.01400

(12th Grade) Full Year 1 credit

This class is a course designed for students that have a strong interest in, or desire to pursue a career in, the sciences. The AP Biology course is designed to offer students topics that are covered in a freshman Biology course at the university level. Students accepting the challenge of an AP course will be required to actively participate in all lectures and laboratory activities t conducted during the year. Students must be recommended for the AP class by a science instructor. Candidates will have demonstrated the motivation and ability to handle such a course load. Pre- requisites are Physical Science, Biology and Chemistry.

SOCIAL STUDIES

World History / 45.8300

(10th grade) Full Year 1 credit

Students will be exploring the history of human beings on this planet. The course explores the cultures, religions, wars, and stories of the people from all over the world. Students will leave the class with a more sophisticated understanding of the world we live in. Students will work on the development of reading skills, note taking skills, essay writing (esp. thesis statements), geography skills, and critical/historical thinking skills.

US History / 45.08100

(11th grade) Full Year 1 credit

US History explores the history of this land – our people, our institutions, and our actions. We will take a chronological approach to the study of US History, and explore each time period by looking at intellectual/cultural history, social/economic history, and political/diplomatic history. The course will balance a “birds-eye view” perspective (through the use of current scholarship on major themes in US History) with an “up-close-and-personal” look at historical documents (letters, transcripts) and cultural products (paintings, photographs, and excerpts from literature). Additionally, students should expect to revisit and further develop understanding and mastery of key social studies concepts and skills from their 11th grade year.

AP US History / 45.28200

(11th grade) Full Year 1 credit

AP US History is designed to be the equivalent of a college-level freshman US History course and prepare students for the AP Examination in May. An emphasis is placed on analytical skills, the acquisition of factual knowledge, interpretation of documents, and writing critical essays. Students who do what is required of them will become better writers and more sophisticated critical thinkers. As a bonus, students who pass the AP US History exam will be recognized by nearly every university in the country as worthy of being awarded college credit. This is a college course in every way.

Government and Civics /45.05700

(12th grade) Half-year, .5 credit

This one-semester course will explore American government and students will learn how to become active citizens in our democratic republic. The course is designed around three “dimensions” of citizenship: 1--Studying Government, 2--Observing Government and Political Behavior, and 3--Ongoing Civic Action and Participation. All of our readings, activities, research, and action will be geared toward developing these dimensions of citizenship. As a senior-level, culminating Social Studies course, students will also need to demonstrate mastery and understanding of key Social Studies concepts and skills.

Economics and the Modern World / 46.06100

(12th grade) Half-year, .5 credit

Economics – usually 2nd semester Senior Year -- focuses on global topics: 1) the globalized nature of economics in the 21st century, and 2) the individual’s role as a globally-informed citizen of the United States. Therefore, the topics and units of this course are designed to both help students analyze and understand the universal principles of the market economy and also to provide the skills necessary to be lifelong learners in the field of Social Studies.

FOREIGN LANGUAGE

Latin I / 61.04100

(9th grade) Full year 1 credit

This course introduces the fundamentals of the Latin language through a series of graded readings in the textbook [Ecce Romani](#). Emphasis is given to developing the skills needed to read and analyze Latin literature. This course focuses on an Introduction to Greek and Roman culture, basic vocabulary, and grammar.

Latin II / 61.24200

(10th grade) Full year 1 credit

This course is designed to reinforce knowledge of the Latin language learned in Latin I. Students learn more advanced vocabulary and grammatical concepts. Through continued, graded readings students are introduced to more cultural, historical, political, geographic and religious aspects of the Roman world. This course is augmented with primary and secondary sources that expand on the textbook's cultural information.

Latin III Honors / 61.024300

(11th grade) Full year, 1 credit

This course is designed to help refine the student's grasp of the Latin language through readings from the great Latin authors, such as Cicero, Caesar, Pliny, Vergil, Ovid, and others.. Students will examine pertinent scholarship and literary criticism. In addition to the continued study of grammar and vocabulary, emphasis is given to placing the text within its historical context.

AP Latin Vergil / 61.04700

(12th grade) Full year 1 credit

This course focuses on the *Aeneid* of Vergil. Students will translate, analyze, and interpret the content of the AP syllabus. Latin literature, Augustine history, Olympian gods, aspects of Roman life will be an essential feature of this course. The AP exam is required in May.

Spanish I

(9th grade) Full year, 1 credit

This class is an introduction to the linguistic and cultural structures necessary for communication in Spanish. Emphasis will be placed on acquiring vocabulary and conversational skills as well as cultural and historical information on Spanish speaking countries. Students of Spanish 1 are expected to develop the four language skills of speaking, listening, basic reading and writing as well as an appreciation of Latino culture. No prior experience with Spanish required.

Spanish II

(9th or 10th grade) Full year, 1 credit

Review of the fundamentals of Spanish with intensive work on vocabulary building and more advanced grammatical structures. More advanced practice in the use of the spoken language, writing skills and cultural components. Speaking the language is greatly stressed at this level as this course focuses on the development of oral fluency and vocabulary. This class is open to those who have successfully completed Spanish 1 at the high school level or equivalent in middle school as well as heritage speakers, upon consent of the instructor.

Spanish III

(11th grade) Full year, 1 credit

This course is designed to develop advanced reading, writing and verbal skills in the Spanish language. Linguistic and thematic analysis of texts, compositions and independent reading of authentic texts are emphasized. Students at this level will be expected to converse and discuss topics in Spanish. This class is open to those having successfully completed Spanish 2 or the equivalent as well as heritage speaker on the recommendation of the instructor.

Spanish IV

(12th grade) Full year, 1 credit

Intensive practice reading and writing Spanish through a variety of selected short stories, poetry and plays. This course also examines the customs and culture of the Spanish-speaking world. We review of advanced structure, syntax, and grammar through compositions and reading of authentic literature. This course develops oral proficiency through a discussion of contemporary issues in the Hispanic world. Special attention is paid to fluency in spontaneous situations. Students will improve their ability to communicate orally in Spanish at an advanced level, a process during which they will also acquire a better command of the fundamental aspects of syntax, grammar, and vocabulary through individual and group activities. This course is conducted entirely in Spanish

VISUAL ARTS

Introduction to Art / 50.02110

Half-year .5 credit

This introductory course is designed to teach students basic visual art skills as they explore a wide variety of media and techniques. Drawing, painting, elements and principles of design, color theory, mixed media, and art history will be introduced through a series of projects. This course is organized to develop the art skills of beginners, and to enhance the skills of the more experienced artists. Students will gain a greater appreciation of the arts and its value to their community. Artwork created by students is displayed throughout the school. This builds student confidence and creates a stimulating environment.

Ceramics/Sculpture 50.04110

Half-year .5 credit

This class introduces 3-D design through work with clay and other materials. Students learn the technical building blocks to create clay pieces, using slab, coil, and pinch techniques. Students apply this knowledge to create hand-built functional pottery as well as personally expressive ceramic art. Students gain experience in various decorating and finishing techniques, including colored slips, glazes, applied textures, and patinas. Studio work is supplemented with research and discussion of historical artwork as well as contemporary art, in order to develop a wider aesthetic, as well as verbal, vocabulary in art.

Fiber/Fashion / 50.04410

Half-year .5 credit

Students will expand their artistic skills and expression through fiber work. Course work will include a variety of materials and techniques, including weaving, dyeing, garment construction, and fabric and fashion design. Emphasis will be placed on historical tradition, critical analysis of artwork and creative exploration of materials.

Digital Photography / 50.07110

Half-year .5 credit- prerequisite visual art

This course introduces photography as an art form, while covering the historical development of photography and photographic design and its cultural influences. Students practice diverse composition, camera, and editing techniques in order to learn to make creative, evocative, and powerful photographic images. Students focus on photojournalism, portraiture, abstract imaging, and nature photography.

Drawing/Painting /50.05110

Half-year .5 credit- prerequisite visual art

Students explore the expressive possibilities of drawing and painting while learning drawing and painting techniques with a variety of traditional as well as non-traditional art media. Students will practice critical analysis of historical paintings and drawings of different styles, historical periods, and cultures. Students utilize problem-solving techniques to make personal creative statements while learning to master drawing and painting techniques.

FITNESS

Personal Fitness / 36.05100

(9th grade) Half year .5 credit

This is an introductory course in which the students learn the fundamental concepts of physical fitness and motor skills. The students learn through observation and participation that will enable them to improve their current level of physical fitness. Emphasis is placed on

cardiovascular endurance development. Students participate in fitness related activities as well as various team and lifetime sports. In addition, students develop individual skills, basic rules and strategies necessary to become successful in various sports.

Health / 17.01100

(10th grade) Half-year .5 credit

This course provides the student with a wide range of learning experiences on health related topics. As a result of these experiences, the student should have the knowledge to make and apply sound decisions regarding their own health and be able to acquire and maintain positive health behaviors and attitudes.

Team Sports / 36.02100

(10th, 11th or 12th grade) Half-year .5 credit

Students will become familiar with the five concepts of fitness. Students are expected to progress to a more intermediate level of sports play. Students will be more familiar with rules and strategy. Students will be able to compete in an organized setting for team and individual sports.

Individual Sports / 36.02200

(10th, 11th or 12th grade) Half-year .5 credit

Students will become familiar with basic fitness concepts. Students will be introduced to various team/individual sports. Students should possess an understanding of the five components of fitness at the end of the course, as well as an ability to participate in a number of team and individual sports.



COMPUTERS

Introduction to Computer Applications/ 11.01200

(9th grade) Half-year .5 Credit

This course is designed to reinforce keyboarding skills through concentrated drill work as well as introduce the student to the concepts of word processing and other application software as well as basic webpage design skills. Time is spent in class discussing morality on the web, and there will be various projects required during the year. Instruction is given for the production of letters, reports, tables, database, spreadsheets, web pages and multimedia presentations utilizing the computer.

Web Technologies / 11.01500

(10th, 11th or 12th grade) Half or Full Year .5 or 1 credit

This course introduces client-side Internet programming using HTML and JavaScript. Topics include site management and development, markup elements, style sheets, validation, accessibility, standards, and JavaScript. Upon completion, students should be able to hand-code web pages with various media elements according to current markup standards and integrate them into websites.

Introduction to JAVA / 11.01400

(10th, 11th or 12th grade) Half or Full Year .5 or 1 credit

Students will learn advanced object oriented programming methods and how to apply them in Java. Topics covered in this course include: one and two dimensional arrays, advanced data structures, algorithms, and Big-O analysis. Students will use this knowledge to create new abstractions with the existing standard Java libraries.