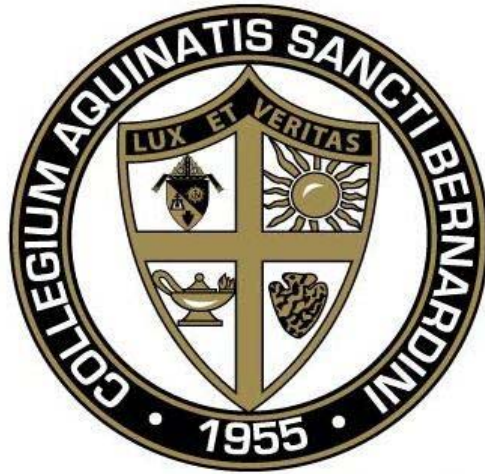


Aquinas High School

Course Catalogue 2008-09



Aquinas High School
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Fine Arts Department
AHS Graduation Requirement - 20 Units
UC Requirement – 20 units

A300 Drawing and Painting

Sophomore and Junior

One Year

10 Units

Prerequisites: None

Course Description:

Beginning Drawing and Painting is an introductory course designed for students to explore drawing and painting as a fine art medium with an emphasis in applying the fundamentals of elements and principles of design. Materials will include: pencil, charcoal, oil pastels, colored pencil, tempera, ink, acrylic paint and watercolor. Methods and techniques, as well as artistic philosophy, art criticism and vocabulary will be explored. Structured, mandatory critiques will be held periodically, along with a student art exhibition. The history of art from Stone Age through Renaissance will be presented via slide lectures.

A400 Advanced Drawing and Painting

Junior or Senior

One Year

10 Units

Prerequisites: Passing Mark in Beginning Drawing and Painting

Course Description:

Advanced Drawing and Painting is an advanced course designed for students to further explore drawing and painting as a fine art medium with an emphasis in applying historical, philosophical and cultural research to personal development and creative expression. Methods and techniques, as well as analysis, critical assessment and vocabulary, will be explored. Structured, mandatory critiques will be held periodically, in addition to a student art exhibition. The history of art from Renaissance through Contemporary will be presented via slide lectures.



A515 Art History (AP)

Junior or Senior

One Year

10 Units

Prerequisites: **“B” in U.S. History AP, English III AP and a 3.0 G.P.A. OR “B” in English IV, “B” in World History AP and take an**

Course Description:

The Advanced Placement offering in Art History is designed to provide the same benefits to secondary school students as those provided by an introductory college course in art history: an understanding and enjoyment of architecture, sculpture, painting, and other art forms within historical and cultural contexts. In the course, students examine major forms of artistic expression from the past and the present from a variety of cultures (historical context). They learn to look at works of art critically (artistic perception), with intelligence and sensitivity (aesthetic valuing), and analyze (art criticism) what they see.

A700 Photography

Junior or Senior

One Year

10 Units

Prerequisites: **None**

Course Description:

Photography I is an introductory black and white photography course. This course will provide students with opportunities to extend their knowledge and skills in the field of photography. This course will familiarize the student with photographic equipment, materials, methods, and processes.

A500 Instrumental Music

Junior or Senior

One Year

10 Units

Prerequisite: **None**

Course Description:

This course is a one year course open to all students regardless of their experience performing on a musical instrument. The course is designed to begin or to increase the skill and performance level of each student- there is on-going development of individual and ensemble musical and technical skills. The course will also develop aesthetic evaluation skills such as critical listening, a wide variety of musical styles throughout history will be learned and studied. Students will perform medium to difficult levels of high school music for the school and the community. Students will maintain a performance portfolio.

A100 Drama 1

Sophomore or Junior

One Year

10 Units

Prerequisites: **None**

Course Description:

The course is designed to introduce the student (actor) to the front of the house as well as to the back of the house (stage or camera). Utilizing textbook, scripts, monologs, design, patterns, improvisations, acting, lectures and sound equipment, each student will experience the processes of dramas history and its unique and varied professions.

A200 Drama 2

Junior or Senior

One Year

10 Units

Prerequisites: **Successful Completion of Drama 1**

Course Description:

This course is a continuation of Drama 1. The student will take a more in depth view into the theater and all of its intricacies.

A007 Drama 3

Senior

One Year

10 Units

Prerequisites: **Successful Completion of Drama 2**

Course Description:

The student or students will be selected by the instructor to assist in the production of the class. The student(s) will model the performance expectations of the instructor for Drama 1 and 2 students to follow.

Foreign Language Department
AHS Graduation Requirement 20 Units
UC Requirement – 20 units
UC Recommendation – 30 units

F100 Spanish 1

Freshmen

One Year

10 Units

Prerequisites: **None**

Course Description:

This course is an introduction to the skills of listening comprehension, pronunciation, speaking, reading, and writing in Spanish on an elementary level. It includes establishment of a basic vocabulary and an introduction to the basic grammar structures to facilitate the students' writing ability in the Spanish language.

F200 Spanish 2

Sophomore

One Year

10 Units

Prerequisite: **“C” or better both semesters in Spanish 1**

Course Description:

This course is a continuation of Spanish 1, with the principal goal being to build proficiency in the language. In addition, this course provides substantial cultural information in order to enhance the students' awareness of a world outside their own.

F300 Spanish 3

Junior or Senior

One Year

10 Units

Prerequisite: **“C” or better both semesters in Spanish 2**

Course Description:

In this course, there will be further development of intermediate skills in listening, reading, writing, and speaking, and a continued emphasis on the acquisition of vocabulary and grammatical structures necessary for comprehension of standard spoken and written Spanish at the intermediate level.

F415 Spanish Language (AP)

Senior

One Year

10 Units

Prerequisite: **An “A” in Spanish 3 both semesters and passage of the AP placement exam.**

Course Description:

This course will prepare students for the AP Spanish exam. It is an intensive study of comprehension, pronunciation, grammar, and linguistics. Students will be exposed to the reading of novels, short stories, poems and plays in Spanish as a means of enhancing their Spanish language skills. There will be extensive writing. Communication will be primarily in Spanish.

F001 Latin I

Freshman, Sophomore, Junior or Senior

One Year

10 Units

Prerequisites: **None**

Course Description:

The study of Latin is one the hallmarks of Catholic Education. One third of English vocabulary is based upon Latin. The vocabulary and grammar of romance languages such as Spanish and French are rooted in Latin. Studying the logical construction of Latin promotes logical thinking and helps to improve a student's word choice and grammar in English.

Latin I will focus on basic grammar and vocabulary with heavy emphasis on comparison to English grammar and vocabulary. Students will work toward reading selections from actual Latin texts. The course will also consider the cultural, historical, religious and other dimensions of Roman life as a means to a deeper understanding of the language. Although Latin is not currently a spoken language, students will learn everyday phrases, terms and even prayers for enjoyment and to reinforce a more holistic approach to the curriculum.

F002 Latin 2

Sophomore, Junior or Senior

One Year

10 Units

Prerequisites: **“C” or better both semesters in Latin 1**

Course Description:

The study of Latin is one the hallmarks of Catholic Education. One third of English vocabulary is based upon Latin. The vocabulary and grammar of romance languages such as Spanish and French are rooted in Latin. Studying the logical construction of Latin promotes logical thinking and helps to improve a student's word choice and grammar in English.

Latin II will complete Wheelock's basic grammar. Students will work toward reading selections from actual Latin texts. The course will also consider the cultural, historical, religious and other dimensions of Roman life as a means to a deeper understanding of the language.

F003 Latin AP (Vergil)

Junior or Senior

One Year

10 Units

Prerequisites: **“B” or better both semesters in Latin 2**

Course Description:

AP Latin comprises two courses, Vergil and Latin Literature, the aims of which are in general conformity with college Latin studies in the fourth through sixth semesters. As in all such courses at this level, the basic objective is progress in reading, translating, understanding, analyzing, and interpreting Latin in the original. In both courses, as in the parallel courses at colleges, students are expected to be able to translate accurately from Latin into English the poetry or prose they are reading and to demonstrate a grasp of grammatical structures and vocabulary. Since the appreciation of Latin literature requires an understanding of the literary techniques of Latin writers and of poetic meters when appropriate, stylistic analysis is an integral part of the advanced work in both courses. In addition, AP Latin courses include the study of the cultural, social, and political context of the literature on the syllabus.

F004 Latin AP (Literature)

Junior or Senior

One Year

10 Units

Prerequisites: **“B” or better both semesters in Latin 2**

Course Description: See Latin AP (Vergil)

F005 French 1

Freshmen

One Year

10 Units

Prerequisites: **None**

Course Description:

This course is an introduction to the skills of listening, comprehension, pronunciation, speaking, reading, and writing in French on an elementary level. It includes establishment of a basic vocabulary and an introduction to the basic grammar structures to facilitate the students' writing ability in the French language.

F006 French 2

Sophomores

One Year

10 Units

Prerequisites: **“C” or better in both semesters of French I**

Course Description:

This course is a continuation of French I with the principal goal being to build proficiency in the language. In addition, this course provides substantial cultural information in order to enhance the students' awareness of a world other than their own.

F007 French 3

Juniors

One Year

10 Units

Prerequisites: **“C” or better in both semesters of French 2**

Course Description:

This course is a continuation of French 2 in which students participate at an in-depth level in the French language by forming more complex sentences and sustaining lengthy conversations with well-learned sentence structure, vocabulary, and grammar, including a variety of verb tenses. Listening, speaking, reading, and writing skills are developed beyond basic survival needs and include individual creative endeavors as well as an introduction to French literature. New material is presented using a variety of methods-visuals, gestures, and dramatizations. Students engage in focus and cooperative activities and paired practice to reinforce learning.

Language Arts Department
AHS Graduation Requirement - 40 Units
UC Requirement – 40 units

E100 English 1

Freshmen (Required)

One Year

10 Units

Prerequisites: **The Ninth Grade Placement Exam (summer school if recommended)**

Course Descriptions:

This is the first course in a sequence of regular English language instruction. Emphasis is on the development of Basic English language skills, effective reading, clear and concise exposition of thoughts, and development of an effective, active vocabulary.

E113 English 1 (H)

Freshmen (Replaces English 1)

One Year

10 Units

Prerequisite: **Scoring at or above the 75th percentile on the placement exam and completing the summer reading requirement.**

Course Description:

This first course in the English Honors/Advanced Placement program provides opportunity for those qualified to pursue special interests and abilities in greater depth and scope than is possible in regular classes. This course offers an introduction to basic writing skills and techniques and introduces the basic elements of literary genre. The course involves the close reading of prose and poetry in World Literature covering Sumerian-Hebrew literature to the Renaissance. Above all, it provides the necessary skills and training to advance in the Honors/Advanced Placement program.

E200 English 2

Sophomore (Required)

One Year

10 Units

Prerequisite: **Passing Grade in English 1**

Course Description:

Multicultural literature is surveyed and analyzed with attention to literary type, which includes short story, drama, poetry, non-fiction, legend, and novel. Exercises in vocabulary, grammar, and composition are integrated into the study. Students also produce a research project and a personal resume'.

E213 English 2 (H)

Sophomore (Replaces English 2)

One Year

10 Units

Prerequisite: **An "A" in English 1 or a "B" in English 1 Honors and completing the summer reading requirement.**

Course Description:

This course continues the approach of English 1 Honors: to allow students capable of Honors work to write analytically, to study World Literature from the Renaissance to modern times, and to enhance their vocabulary skills for college-level reading and literary analysis. This course provides preparation for the Advanced Placement English classes.

E300 English 3
Junior (Required)

One Year

10 Units

Prerequisite: **Passing Grade in English 2 or English 2 Honors**

Course Description:

This course is a continuation of the regular English language curriculum. Emphasis is on the development of vocabulary, skills of literary analysis, and effective communication through writing, which includes the techniques of basic research. The focus of this course is on a chronological study of American Literature, which parallels the American History course.

E315 English Language and Composition (AP)

Junior (Replaces English 3)

One Year

10 Units

Prerequisite: **An "A" in English 2 or a "B" in English 2 Honors and completion of the required summer reading. Consistent attendance is crucial.**

Course Description:

This college-level course will include both the readings and the analysis of varieties of discursive prose and the study of the process of writing from the discovery of the topic to the preliminary drafts to the final draft. This course introduces students to the semantic, structural, and rhetorical resources of the language. Selected works in prose, fiction, and poetry, as well as an intensive vocabulary are included. Students enrolled in the course will be prepared to take the College Board's Advanced Placement test in Language and Composition, which is administered in May. Students also study American literature in a chronological form paralleling the American History course.

E400 English 4

Senior (Required)

One Year

10 Units

Prerequisite: **Passing Grade in English 3**

Course Description:

The literature of the British Isles is surveyed from the Anglo-Saxon period through the twentieth century. Integrated into the course are literary analysis, vocabulary exercises, grammar, and composition. Each of the four quarters culminates in a project germane to the genre(s) studied, demonstrating competency in each quarter's subject matter.



E415 English Literature and Composition (AP)

Senior (Replaces English 4)

One Year

10 Units

Prerequisite: **An “A” in English 3 or a “B” in English 3 AP and completion of the required summer reading. Consistent attendance is crucial.**

Course Description:

This college-level course introduces and involves students in both the study and practice of writing and the analysis of literature. Through speaking, listening, and reading, students become more aware of the resources of language: connotation, metaphor, irony, syntax, and tone. Writing assignments include the critical analysis of literature, and include essays in exposition and argument. Students will be prepared to take the Advanced Placement examination in English Literature and Composition given in May of each year, which covers selections in literature from the sixteenth through the twentieth centuries.

E004 Research and Technology

Freshman (Required)

One Year

10 Units

Prerequisites: **None**

Course Description:

During the first semester the students will learn to utilize the MLA and APA formats for writing research papers culminating each quarter in a research paper utilizing each format. The second semester of this course provides an introduction to technology. Topics include the impact of computers on society, ethical issues, and hardware/software applications, including spreadsheets, databases, word processors, graphics, the Internet, and operating systems. Upon completion, students should be able to demonstrate an understanding of the role and function of computers and be able to use the computer to complete academic assignments.

E007 Writing Workshop

Freshmen

One Year

Prerequisites: **If an incoming freshman is required to take summer school for English, then he/she will automatically be enrolled in Writing Workshop.**

Course Description:

This course is designed to review basic writing skills with students who are in need of some reinforcement in order to succeed in high school. The curriculum for this class will include instruction in grammar and essay writing, with an emphasis on one-to-one instruction by the teacher. The class size will be limited to insure this occurs. Peer editing and conferencing will also be included. The instructor will also make contact with the English instructors to check on the progress of the students.

E008 Writing Workshop 2

Juniors and Seniors

One Year

10 Units

Prerequisites: **Passing Grades in English I and English II**

Course Description:

This course is intended to improve students' overall composition skills by providing practice in the process of writing, revision, and peer editing. Upon completion of the class, students should show an improvement in their grammar and writing for academic classes as well as become more confident taking the writing section of standardized tests such as the SAT and Advanced Placement. Students will keep portfolios of their work as a record of their continued growth in communication skills.

E009 Advanced Editing

Juniors and Seniors

One Year

10 Units

Prerequisites: **Teacher and Principal recommendation and interview**

Course Description:

This course will involve advanced writing techniques and editing needed to succeed in our ever advancing world. This course will produce the annual yearbook and monthly student newspapers.

Math Department
AHS Graduation Requirement - 30 Units
UC Requirement – 30 units
UC Recommendation – 40 units

M121 Algebra A

M122 Algebra B

Freshmen and Sophomores (Replaces Algebra I)

Two Years

20 Units

Prerequisites: **Algebra A: None**
Algebra B: At least a “C” average in Algebra A.

Course Description:

This **two-year course** begins by covering some of the basic concepts appropriate to general mathematics education. The course is designed to develop an understanding of the basic properties of the real number system for further study. It is using deductive reasoning in solving problems. It covers symbols, sets, equations, inequalities, polynomials, factoring, fractions and their uses, rational and irrational numbers, basic quadratic equations and an introduction to relations, functions and their graphs. Throughout the course appropriate word problems are solved.

M100 Algebra I

Freshmen (Required)

One Year

10 Units

Prerequisites: **An Entrance Exam Score between 50-75 percentile, or an “A” in the Intro to Math Course offered during Summer School.**

Course Description:

This course is designed to develop an understanding of the basic properties of the real number system for further study. The course is using deductive reasoning in solving problems. It covers symbols, sets, equations, inequalities, polynomials, factoring, fractions and their uses, rational and irrational numbers, basic quadratic equations and an introduction to relations, functions and their graphs. Through the whole year appropriate word problems are solved.

M113 Algebra I (H)

Freshmen (Replaces Algebra I)

One Year

10 Units

Prerequisites: **A score of at least 75 percentile on the Freshman Placement Exam.**

Course Description:

This course is designed for the student who performs well in and has an above average ability for mathematics. It covers the topics of Algebra I and other related principles more quickly, and with more complex problems to provide a sound introduction to Algebra.

M200 Geometry

Sophomore

One Year

10 Units

Prerequisites: **9th: May challenge the Algebra I Honors Final for placement in Geometry**
10th: At least a “C” average in Algebra I

Course Description:

This course develops one’s ability to see and express spatial relationships using points, lines and planes. Emphasis is placed on formal deductive proofs, the geometry of triangles, parallelograms, and circles, as well as on computations of areas and volumes. This course will increase the student’s confidence in his/her reasoning abilities to make logical deductions.

M213 Geometry (H)

Sophomore (Replaces Geometry)

One Year

10 Units

Prerequisites: **An “A” average in regular Algebra I OR at least a “B” average in the Algebra I Honors course**

Course Description:

This course is designed for the student who demonstrates an above average ability in mathematics. It covers the same topics as Geometry, using more complex problems, and is augmented by coordinate geometry and mapping

M300 Algebra 2

Junior

One Year

10 Units

Prerequisites: **“C” in Algebra I and Geometry.**
Note: Geometry must be taken previously.

Course Description:

This course covers the manipulative skills needed in advanced mathematics and in physical science. It covers systems of equations, rational and irrational numbers, quadratic equations and systems, relations, functions, complex numbers, polynomial, exponential and logarithmic functions, progressions and permutations.

M313 Algebra 2 (H)

Junior

One Year

10 Units

Prerequisites: **At least an “A” average in Algebra I and Geometry, OR**
At least a “B” average in Algebra I Honors and Geometry Honors.
Note: Geometry must have been taken previously.

Course Description:

This course covers the same topics as Algebra II and Pre-Calculus with additional enrichment and more challenging problems. It is for those Juniors who demonstrated exceptional ability in mathematics and who may intend to study Calculus AP in their Senior year.

M009 Trigonometry

Junior and Seniors

One Year

10 Units

Prerequisites: **Juniors: A “B” in both Algebra I Honors and Geometry Honors, OR
An “A” in both regular Algebra I and Geometry
Seniors: A “B” in both Geometry and Algebra 2**

Course Description:

This is an 11th/ 12th grade preparatory course for students intending to take college level or AP Calculus. This year long course is based primarily on the California State Standards for Trigonometry. This course includes: trigonometric and circular functions and identities, inverse trigonometric functions, graphs, trigonometric equations, complex numbers, polar equations and parametric equations, exponential and logarithmic functions.

M400 Pre-Calculus

Seniors

One Year

10 Units

Prerequisites: **At least a “C” average in Geometry AND at least a “B” average in Algebra II OR at least a “C” average in Algebra II Honors.**

Course Description:

This course covers the study of functions (linear, quadratic, and inverse functions) and Analytic Geometry (lines, conic sections). A small portion of this course consists of the study of Trigonometry (trigonometric and circular functions and their inverses, graphs and equations), exponential and logarithmic function sequences and series. Time permitting; a short introduction to vectors will be also presented. Students who successfully complete this course will be prepared to enroll in Calculus, either at AHS or in their college Freshman year.

M415 Calculus (AP)

Seniors

One Year

10 Units

Prerequisites: **At least a “B” average in Algebra II Honors and Trigonometry OR in Pre-Calculus.**

Course Description:

This course is a college-level calculus course. After an analytic preparation and study of limits, the course covers the derivatives of functions and integration. It includes applications of the derivative, definite integral and methods of integration. Students are expected to take the Advanced Placement Test in Calculus A/B.

M001 Statistics (AP)

Juniors and Seniors

One Year

10 Units

Prerequisites: **“B” Average in Geometry and Algebra II and a “B” Average in English**

Course Description:

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns, and statistical inference

M002 Consumer Math

Juniors and Seniors

One Year

10 Units

Prerequisites: **Algebra I and Geometry or, Algebra A and Algebra B and Geometry**

Course Description:

This course counts only for graduation requirements for Aquinas High School. It does not count for any UC or Cal State entrance requirement. This course focuses on practical math that will be utilized throughout life.



**Physical Education Department
AHS Graduation Requirement - 20 Units**

P100 Coeducational Physical Education/ Health

Freshman (Required)

One Year

10 Units

Prerequisites: **None**

Course Objective:

Mental: Each student will gain understanding of games and the skills necessary to play them. During the health portion of the class students will become familiar with the essentials it takes to lead a healthy lifestyle. This includes the nutritional and physical aspects of taking care of ones body.

Physical: Every student taking this course should become more physically fit, gain new skills, and sharpen old ones. Students will be exposed to activities that will compliment a healthy lifestyle.

Social: All students will learn how to compete with a Christian attitude showing sportsmanship and ethics. They will also learn the skills necessary to function as a team.

P200 Advanced Coeducational Physical Education

Sophomore, Junior, or Senior

One Year

10 Units

Prerequisites: **Passing Grade in Co-ed PE**

Course Description:

This course is a continuation of Freshmen Physical Education.

P009-P001 C.I.F./Cheer Sports Education Class

All Students

Sports Season

10 Units per year

Prerequisites: **Acceptance and Participation in Cheer or a C.I.F. Sport**

Course Description:

This course is an after-school program of interscholastic activities that include: Co-ed Cross Country Track, Football, Volleyball, Girls and Boys Basketball, Wrestling, Girls and Boys Soccer, Golf, Boys and Girls Track, Girls Varsity Tennis, Cheerleading, Softball, and Baseball. Attendance at practice is mandatory for credit to be awarded. All other standards for grading will be set by the coach, Athletic Director and/or faculty advisor

P401 – P409 Sports Manager

All Students

One Sport Season

10 Units

Prerequisites: **None**

Course Description:

The student will perform many tasks for the team. These tasks will vary from team to team and seasons to season. These tasks may or may not include: set up and takedown of equipment, record keeping (other than attendance), and various other tasks. Team statisticians are NOT eligible for any credit.

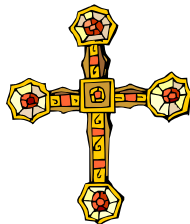


Religion Department
AHS Graduation Requirement - 40 Units
100 Community Service Hours

For the last 2000 years, Christians have imitated Jesus' love and care for the poor, the outcast, the suffering, the least ones in society through Community Service. The opportunity to do good for others, especially those who cannot repay us, helps us to deepen our own spiritual life, and to live out the Good News of Christ more deeply and authentically in our lives. When we perform Community Service, we give witness to the world. Those who see Christians caring for the needy have always said, "See how they love..." Indeed, the love of God must shine through action to spread, the Good News to all people . . . especially to the Poor.

Students who attend Aquinas High School for 4 years are required to perform 100 hours of Community Service as a requirement for graduation (25 hours each year). All of the community service hours must be completed off campus, unless Campus Ministry has given prior approval for on-campus activities operated by an outside organization. Half of the required hours must be completed by service to the poor, visiting a nursing home, volunteering at a hospital or working directly with kids. The other half of the hours may be completed doing a variety of non-profit activities.

Through Christian service students have the opportunity to live out what they learn in their religion classes and what they profess around the Table of the Lord during the Holy Eucharist. If you only *study* Christianity, you are a student, not a living member of the Body of Christ. The Christian religion is "hands on!" Many times in the Gospels, Jesus calls us to do what we can with what we have. We must not bury our talents, our gifts. Rather, we must be creative in meeting the needs of our own Lazarus waiting at *our* own doorstep for our hospitality and love. Our "Lazarus" waits for us to share Christ with him through our Christ-like action.



R100 Ethics I
Freshmen (Required)
One Year
10 Units
Prerequisites: **None**

First Semester: Survey of Catholicism

This course will attempt to increase the faith and belief of the students in the teachings of Roman Catholicism. It includes faith, revelation, prayer, sacraments, scripture, Mary and the saints.

Second Semester: Old Testament

This course is an introduction to the Old Testament, which provides the pre-requisites for an understanding of the New Testament's message of Jesus Christ. This course examines both a literal/fundamentalist and a contemporary approach to understanding Scripture.

R200 Ethics 2

Sophomore (Required)

One Year

10 Units

Prerequisites: **Passing Grade in Ethics 1**

First Semester: New Testament

This course introduces students to the New Testament placing emphasis on the four Gospels and the New Testament communities. Students will continue to develop their understanding of Scripture and reflect on it in their own lives.

Second Semester: Morality

Morality is a study of the quality of human behavior. The course is intended to help students examine their personal values, the moral teachings of Jesus and the Church and to learn the skills necessary to make good moral choices.

R300 Ethics 3

Junior (Required)

One Year

10 Units

Prerequisites: **Passing Grade in Ethics 2**

First Semester: Peace and Justice

This course explores the historical and Scriptural call to faith and justice and then personalizes the message. The student is introduced to the social teachings of the Church and invited to reflect on its application in our lives and in our world.

Second Semester: Church History

This course discusses the main developments, people and events that have shaped the Church, leading to an appreciation of the Spirit's guidance of the Church through the centuries. Students reflect on their participation in and commitment to the Catholic Church, and develop a deeper understanding of how God works in human history and in their own lives.

R400 Ethics 4

Senior (Required)

One Year

10 Units

Prerequisites: **Passing Grade in Ethics 3**

First Semester: Comparative Religions

This course introduces students to descriptive, accurate information about the role of religion in both Western and Eastern society. This information is both historical and contemporary in nature. The course will focus on specific religions, including Judaism, Christianity, Islam, Buddhism, and Hinduism. Students will learn about the origins, belief systems, and rituals of each religion as well as how each affects people in various cultures.

Science Department
AHS Graduation Requirement - 30 Units
UC Requirement – 20 units
UC Recommendation – 30 units

L100 Earth Science
Freshmen (Required)

One Year

10 Units

Prerequisites: **None**

Course Description: This is an introductory course that includes a thorough exploration of the Earth. The course includes an overview of the Earth's atmosphere, water system, and geologic structure and history. The course also includes a study of the solar system as well as other related concepts. Laboratory experiments and field studies will develop students reasoning power, the ability to apply biological principles, as well as acquaint students with laboratory and field study technique.

L113 Earth Science (H)

Freshmen (Replaces Earth Science)

One Year

10 Units

Prerequisites: **75% or higher on the Freshmen Placement Exam**

Course Description:

This is an honors science course that includes a thorough exploration of the Earth. The course includes an overview of the Earth's atmosphere, water system, and geologic structure and history. The course also includes a study of the solar system as well as other related concepts. Laboratory experiments and field studies will develop students reasoning power, the ability to apply biological principles, as well as acquaint students with laboratory and field study technique. This is an excellent start to four years of science, in preparation for the rigors of college and a great preparation for Chemistry Honors, Biology AP and Physics students.

L200 Biology

Sophomore

One Year

10 units

Prerequisites: **Passing Grade in Earth Science**

Course Description: A college-prep science course. A survey of cell structure and function, plant and animal life. This course gives the achievement oriented student the opportunity to inquire into the nature of life through laboratory investigations. Dissection is a part of the course and participation is required.

L215 Biology (AP)

Senior

One Year

10 Units

Prerequisites: **“B” or better in Biology, “A” in Chemistry OR “B” in Chemistry Honors**

Course Description:

This is a college-prep lab science course. The course of study will be divided into 1. Molecules and Cells, 2. Heredity and Evolution, and 3. Organisms and Populations. The course is designed for the student who desires to continue studies in biology, or related fields. Students in this course will be prepared to take the College Board Advance Placement Examination.

L300 Chemistry

Junior or Senior

One Year

10 Units

Prerequisites: **“C” in Algebra I or “C” in Algebra A and B and a Passing Grade in Biology**

Course Description:

This is a college-prep lab science course. It requires strong fundamental math skills and covers the fundamentals of chemistry and problem solving to successfully prepare students for college science courses. Students will investigate and learn principals behind the way matter is composed and the way it behaves. They will learn the physical and chemical properties of matter that will provide them with a foundation for further studies in science and science-related fields.

L313 Chemistry (H)

Junior or Senior

One Year 10 Units

Prerequisites: **“B” in previous science course and “A” in Algebra I or “B” in Algebra I H**

Course Description:

This is a college-prep lab science course. This course qualitatively and quantitatively studies the interactions of the elements. It covers: atomic structure, chemical bonding, the gas laws and oxidation-reduction reactions. This course is a continuation of our honors study program in science.

L400 Physics

Senior

One Year 10 Units

Prerequisites: **“B” in Biology, Chemistry, and Algebra 2**

Course Description:

This is a college-prep lab science course. This course will study Newtonian mechanics, light, energy and electro-magnetism. Techniques and fundamental mathematics are taught and reviewed to insure success. Physics is highly recommended for college-bound students planning careers in math, science, engineering or medicine. This course is a continuation of our honors study program in science.

L009 Anatomy and Physiology

Senior

One Year 10 Units

Prerequisites: **A passing grade of “C” or better in 3 years of science**

Course Description:

Anatomy and Physiology is a rigorous second year Biology course for students interested in biology, medicine and its related professions. Students will be introduced to many lab exercises that will help them to understand both the human body and the importance of correct laboratory procedures.

Social Studies Department
AHS Graduation Requirement – 30 Units
UC Requirement – 20 units

S200 World History

Sophomore (Required)

One Year

10 Units

Prerequisites: **None**

Course Description:

This course is designed to enlighten the student in the stories of people, events, and institutions from the earliest civilizations to modern times. As a result, it will touch upon and include all the Social Studies disciplines. People’s beliefs, the way they meet their economic needs, the social and political institutions they form, and the culture they transmit from one generation to another are all part of history. So also is Geography, which tells the story of where events took place and the interactions between people and places. The key objectives of this course can help students go beyond the rote memorization of events and dates to gain an understanding of how and why those events occurred and their historical significance in today’s world. “Those who do not know history are doomed to repeat it.”



S215 World History (AP)

Sophomore (Replaces World History)

One Year

10 Units

Prerequisites:

1. **G.P.A. 3.0**
2. **“B” or higher in English I Honors or an “A” in English I**
3. **Placement Test Passing Grade**

Course Description:

The purpose of the AP World History course is to develop a greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. Focused primarily on the past thousand years of the global experience, the course builds on an understanding of cultural, institutional and technological precedents that, along with geography, set the human stage prior to 1000 C.E. Periodization, explicitly discussed, forms the organizing principle for dealing with change and continuity from that point to the present. Specific themes provide further organization to the course, along with the consistent attention to contacts among societies that form the core of world history as a field of study.

S300 American History

Junior (Required)

One Year

10 Units

Prerequisites: **Passing Grade in World History**

Course Description:

This course explores American History from the American Revolution to the present. Major geographic, economic, political, artistic, social and technological developments are investigated to develop a historical awareness of, and appreciation for, the cultural diversity and common experiences of Americans.

S315 United States History (AP)

Junior (Replaces American History)

One Year

10 Units

Prerequisites: **Successful completion of A.P. World History B or higher**

---OR---

1. **G.P.A 3.0**
2. **English II Honors Grade of B or higher or English II Grade of A**
3. **World History Grade A**
4. **Placement Test Passing Grade**

Course Description:

The Advanced Placement Program (AP) course and examination in United States History are intended for qualified students who wish to complete studies in secondary school equivalent to college introductory courses in U.S. history. The examination presumes at least one academic year of college-level preparation. The AP program in United States History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The class prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. An AP United States History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format.



S400 American Government

Senior (Required)

One Year

10 Units

Prerequisites: **Passing Grade in United States History**

Course Description:

This course investigates the philosophy and functioning of the American system of government from the point of view of the citizen in a democratic society. Major principles and functions of federal, state and local governments are explored with special concern for the relationship between the individual and governmental institutions. Additionally, this course will explore U.S. economics while comparing with those of other countries.

S415 United States Government and Politics (AP)

Senior (Replaces American Government)

One Year

10 Units

Prerequisites: **Successful completion of A.P. U.S. History B or higher**

---OR---

1. **G.P.A 3.0**
2. **English II Honors Grade of B or higher or English II Grade of A**
3. **United States History Grade A**
4. **Placement Test Passing Grade**

Course Description:

This course includes both the study of general concepts used to interpret U.S. politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Additionally, this course will explore U.S. economics while comparing with those of other countries.



S007 Latino Studies

Juniors or Seniors

One Year

10 Units

Prerequisites: **None**

Course Description:

This course will be an introductory course in Latino Studies, and it will present the diverse cultural and unique experiences of Central and South America. There will be a special focus on how Latinos view themselves in history and society. This course will not require any knowledge of Spanish, or any other foreign language. Students will be responsible for assigned readings, and to participate in the discussions in class. Participation is vital to the success and development of this course.

Course Requirements Self-Audit

SUBJECT	Approved for UC Credit**	Need for Grad	Have C or better	Need for UC
Fine Arts Department		2 year		2 years required
Drawing & Painting	Yes			
Advanced Drawing and Painting	Yes			
Photography	Yes			
Art History AP	Yes			
Drama 1	Yes			
Drama 2	Yes			
Drama 3	Yes			
Instrumental Music	Yes			
Foreign Language Department		2 years		2 years required, 3 years recommended
Spanish 1/H	Yes			
Spanish 2/H	Yes			
Spanish 3	Yes			
Spanish Language AP	Yes			
Latin I	Yes			
Latin 2	Yes			
Latin AP				
French 1	Yes			
French 2				
French 3				
Language Arts Department		4 years		4 years required
English 1 or English 1 Honors	Yes			
English 2 or English 2 Honors	Yes			
English 3 or English 3AP	Yes			
English 4 or English 4 AP	Yes			
Research and Technology (Required for graduation)	No			
Advanced Editing	No			
Advanced Writing	No			
Math Department				3 years required, 4 years recommended
Algebra A and Algebra B	Yes			
Algebra 1 or Algebra 1 Honors	Yes			
Geometry or Geometry Honors	Yes			
Algebra 2 or Algebra 2 Honors	Yes			
Pre-Calculus	Yes			
Calculus AP	Yes			
Statistics AP	Yes			
Trigonometry	Yes			
Consumer Math	No			

Coeducational PE/Health	No			
Advanced Coeducational PE	No			
C.I.F./Cheer Sports Educ.	No			
Sports Manager	No			
Religion Department		4 years		
Ethics I (1 st semester only)	Yes			
Ethics 2	No			
Ethics 3 (1 st semester only)	Yes			
Ethics 4	No			
Science Department		3 years		2 years required, 3 years recommended
Earth Science	Yes			
Earth Science Honors	Yes			
Biology	Yes			
Biology AP	Yes			
Chemistry or Chemistry Honors	Yes			
Physics	Yes			
Anatomy & Physiology	Yes			
Social Studies Department		3 years		2 years required
World History or WH AP	Yes			
United States History or AH AP	Yes			
American Govt. or AG AP (1 semester only)	Yes			
Latino Studies	Yes			
Psychology AP	Yes			
Electives and/or Additional Courses		*4 courses		*10 approved courses required

TOTAL 270 units (1 year = 10 units per course)

COMMUNITY SERVICE RECORD 25 Hours per Year = 100 Hours

9 th grade hours – 25 required	10 th grade hours – 25 required	11 th grade hours – 25 required	12 th grade hours – 25 required

*Note: Courses over the minimum in each section (Department) count towards the units (years) needed for electives. These courses must be a full year long.
 **This information is accurate as of August 2008. For any subsequent changes, see your academic counselor or check on-line.

S009 Psychology (AP)

Juniors or Seniors

One Year

10 Units

Prerequisites: **Successful completion of World History AP, A.P. U.S. History, A.P. English III or English II Honors B or higher**

---OR---

- 1. G.P.A 3.0**
- 2. English II or English III Grade of B or higher**
- 3. World or United States History Grade B or higher**
- 4. Placement Test Passing Grade**

Course Description:

The Advanced Placement course in Psychology is open to qualified students who wish to complete studies in secondary school, equivalent to an introductory college course in psychology. The AP examination presumes at least one semester of college level preparation.

This course will cover the following topics:

- Methods, approaches, history
- Biological basis of behavior
- Sensation and perception
- States of Consciousness
- Learning
- Cognition
- Motivation and emotion
- Developmental psychology
- Personality
- Testing and individual differences
- Abnormal psychology
- Treatment of different psychological disorders
- Social psychology

The purpose of the AP course in Psychology is to introduce students to the systematic and scientific study of the behavior of mental processes of human beings and animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major sub-fields within psychology. They also learn about the methods psychologists use in their science and practice.

