



JESUIT HIGH SCHOOL

1200 JACOB LANE

CARMICHAEL, CALIFORNIA 95608

COURSE DESCRIPTION CATALOG

2017 - 2018

TABLE OF CONTENTS

GRADUATION REQUIREMENTS	3
GENERAL GUIDELINES.....	5
THEOLOGY DEPARTMENT	6
VISUAL AND PERFORMING ARTS DEPARTMENT	9
ENGLISH DEPARTMENT.....	15
WORLD LANGUAGES DEPARTMENT	19
MATHEMATICS DEPARTMENT	25
SOCIAL SCIENCES DEPARTMENT.....	37
OTHER.....	41

GRADUATION REQUIREMENTS

Units Required for Graduation	Units
English.....	40
World Languages.....	30
Mathematics.....	30
Science.....	30
Social Sciences.....	35
Theology.....	35
Visual and Performing Arts.....	10
Christian Service.....	8
P.E. (or Music).....	10
College Prep Electives.....	15
TOTAL.....	248

Required Courses by Department, listed in the order to be taken:

English

English 1
 English 2
 American Literature
 or AP English Language
 English Electives (2 semesters)
 or AP English Literature

Mathematics

Algebra I
 Geometry
 Algebra II
Optional:
Statistics
Financial Algebra
Pre-Calculus
Calculus

World Languages

Three (3) years of the same language or
 Two (2) years of two different languages
 (French, Latin or Spanish)

Social Sciences

Modern World History 1
 Western Cultures (one semester)
 United States History
 Economics or Civics plus one additional Senior Elective or AP Econ or AP Government (total two semesters Sr. year)

Theology

9th - Jesus, Scripture & the Church: An Introduction to Catholicism
 10th - God and Revelation: The Hebrew Scripture (A); Life in Jesus Christ: Christian Morality (B)
 11th - Who is Jesus? The Revelation of Jesus Christ in Scripture (A); Faith and Justice: Living as a Disciple of Jesus Christ in Society (B)
 12th - Ignation Spirituality, Prayer and the Sacraments and a Senior Elective (one semester each) or Liturgy Workshop

Visual and Performing Arts (VPA)

Intro to Art, Drawing, Film, Band or Chorus, Digital Photography (One semester required 9th grade - CSU and UC require two semesters *in the same subject*)

Science

Biology
 Chemistry
 Plus one other to total 6 semesters
Optional:
B2: Anatomy/Physiology
Chemistry in the Community
Environmental Science
Physics

Physical Education

Freshman, sophomore year (a total or 2 semesters). All students must take a pass a Health Education course in PE or Choir/Band.

Christian Service

9th - service included in the Global Studies curriculum (16 hours)
 10th - service included in the Theology curriculum (16 hours)
 11th - service included in the theology curriculum (16 hours)
 12th - Senior Project (50 hours)

Required Courses by Year Level

FRESHMAN: (6 courses each semester - 65 units)

English 2 sem
World Languages..... 2 sem
Mathematics 2 sem
PE (or Band/Chorus) 1 sem
Science 2 sem
Theology 1 sem
Social Sciences (Christian Service) 2 sem
Visual and Performing Arts 1 sem
JVLA on-line Health Ed 1 sem

SOPHOMORE: (6 courses each semester - 60 units)

English 2 sem
World Languages..... 2 sem
Mathematics 2 sem
Science 2 sem
PE (or Band/Chorus) 1 sem
Theology (Christian Service)..... 2 sem
Social Sciences 1 sem

JUNIOR: (6 courses each semester - 65 units)

English 2 sem
World Languages..... 2 sem
Mathematics 2 sem
Science 2 sem
Elective (PE, VPA) 1 sem
Theology (Christian Service)..... 2 sem
Social Sciences 2 sem

SENIOR: (at least 5 academic courses/semester - 50 units)

English Electives 2 sem
Theology Electives 2 sem
Social Sciences Electives (incl. Civ or Econ.).... 2 sem
Christian Service..... 1 sem
Science Electives 2 sem
College Prep Electives 3 sem
Other Electives, Teacher's Assistant..... 2 sem

GENERAL GUIDELINES

1. Pre-Requisites: Students should note that certain courses have pre-requisites for admission. Please make sure you meet all requirements before applying for those classes.
2. Students are required to have at 5 academic courses during each semester; a total of six classes per semester plus a flex period.
3. Online courses may not replace a class offered at Jesuit High School except under special circumstances and may only be done with the prior approval of the Counselor, Department Chair, and the AP for Curriculum and Assessment. Parents are responsible for determining if the course meets UC or other college acceptance requirements.
4. **Only courses pre-approved or taken for remediation will be placed on the Jesuit transcript.** All other courses will not be posted, and no courses taken outside of Jesuit will be calculated in the student's Jesuit GPA.
5. Advanced Placement and Honors Courses: When selecting an AP or Honors level course, students should be aware of the rigorous academic demands and time commitment required for each course. They should check with their counselor and review their academic, athletic and personal commitments so they do not overextend themselves. You are encouraged to take as full and challenging a program as you are able. The broader the program, the more college and career possibilities it will open up for you.
6. Consider carefully the classes you choose for both semesters of the upcoming school year. **The Master Schedule is built around what you choose and may limit any requested changes later.**

THEOLOGY DEPARTMENT

Eight semesters of Theology are required for graduation. Students should choose next year's Theology classes according to the following guidelines:

- FRESHMAN YEAR - All students are required to take Theology 1: Jesus, Scripture and the Church: An Introduction to Catholicism.
- SOPHOMORE YEAR - All students are required to take Theology 2A: God and Revelation: The Hebrew Scripture and Theology 2B: Life in Jesus Christ: Christian Morality.
- JUNIOR YEAR - All students are required to take Theology 3A: Who is Jesus? The Revelation of Jesus Christ in Scripture and Theology 3B: Faith and Justice: Living as a Disciple of Jesus Christ in Society.
- SENIOR YEAR - All students are required to take Theology 4: Prayer, Ignatian Spirituality and the Sacraments PLUS one Theology elective.

Theology 1: Jesus, Scripture and the Church: An Introduction to Catholicism	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Required Core Course
Pre-Requisite: N/A	Year Level: 9
Description: Theology 1 is a survey course that provides a foundation for understanding Catholic Christianity and Ignatian spirituality. Students learn a common vocabulary in Christian theology that they will draw on in future theology courses. We examine how God manifests love in the world and the invitation to participate in God's loving creation. This is accomplished through a study of the life of St. Ignatius of Loyola, Scripture, the Kingdom of God, the Paschal Mystery, church and sacraments.	

Theology 2A: God and Revelation: The Hebrew Scripture	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Required Core Course
Pre-Requisite: Successful completion of Theology 1	Year Level: 10
Description: Christian Morality explores the nature of the human person and his relationship to God, himself, and others. The course introduces the student to the discipline, concepts, and principles of Catholic Moral Theology allowing a mature analysis of the increasingly complex moral situations with which he is faced. The life and teachings of Jesus combined with the moral traditions of the Catholic Church serve as the theological and philosophical foundations of our study. The aim of the course is to help guide students to be responsible followers of Christ, young men who recognize, in their relationships with others, the intimate bond between the love of God and the love of neighbor.	

Theology 2B: Life in Jesus Christ: Christian Morality	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Required Core Course
Pre-Requisite: Successful completion of Theology 1	Year Level: 10
Description: In God and the Hebrew Scriptures, students will come to understand humanity's search for God, why people believe in God, and the reasonableness of faith. Students will study the events of salvation history as related in the Hebrew Scriptures from Creation and the Fall, through the age of the patriarchs and the kingdom year, to the prophets. They will explore how this history and experience of God is expressed in various literary forms throughout the texts and how these reflect the developing theology of the Jewish people. Ultimately, students will be challenged to see the reality of a creator God who is interested in human affairs, loves them personally, and invites them into relationship.	

Theology 3A: Who is Jesus? The Revelation of Jesus Christ in Scripture	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Required Core Course
Pre-Requisite: Successful completion of Theology 2A/2B	Year Level: 11
Description: The purpose of scripture in general and the Christian Testament in particular is not simply to inform but to transform the reader. This is a living word in which Christians discover what it means to be people in relationship with neighbor and God. This scriptural invitation and exhortation to a change of heart, to metanoia, to discipleship in our everyday lives, is the focus of the Christian Testament course. In order to achieve these goals, this course focuses on the development of a more mature, adult ability to read the Christian Scriptures. Reading scripture is a skill, and this course will further develop that skill while asking the fundamental question: What does this living Word tell me about how I must live?	

Theology 3B: Faith and Justice: Living as a Disciple of Jesus Christ in Society	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Required Core Course
Pre-Requisite: Successful completion of Theology 2A/2B	Year Level: 11
Description: The Social Justice course asks students to use their knowledge of the first semester Christian Testament course to examine the scriptural and historical origins of Catholic Social Teaching. This Catholic-Christian vision of justice compels the students to engage in experiences that expand awareness of the brokenness and sinfulness of our world and analyze the social structures at the root of social injustice. Examination of key issues of the day will allow students not only to grapple with complex issues that confront us but also to see the hope and possibilities that exist for a better world formed by the wisdom of the Gospel. Ultimately this study will lead to the imperative that students become agents of change in the world	

Theology 4: Ignatian Spirituality, Prayer and the Sacraments	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Required Core Course
Pre-Requisite: Successful completion of Theology 3A/3B	Year Level: 12
Description: In the Ignatian Spirituality, Prayer and the Sacraments course Seniors will be given the opportunity to explore these persistent existential questions through the rich tradition of the Spiritual Exercises of St. Ignatius of Loyola, inviting students to explore Ignatius' vision of God, Ignatian prayer, and methods of discerning God's will in our lives. Ritual, particularly the sacraments of the church, will provide a vehicle for expressing together our experience on this journey into the big questions. It is hoped that this course brings a new perspective on the student's previous experiences at Jesuit in Theology, Christian Service, and retreats in order prepare for the next chapter of his life.	

Theology 4: Introduction to Ethics	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Elective
Pre-Requisite: Successful completion of Theology 3A/3B	Year Level: 12
Description: During this elective semester-long course, the student will be introduced to the philosophical study of ethics as well as the study of moral theology as it exists within the Catholic Church. Students will analyze various approaches to the study of ethics from Plato and Aristotle and Aquinas and Kant, Locke and Mill. Students will analyze critical moral issues of the modern era and be challenged to incorporate the five characteristics of the Profile of the Graduate at Graduation.	

Theology 4: World Religions	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Elective
Pre-Requisite: Successful completion of Theology 3A/3B	Year Level: 12
<p>Description: This course examines the major religious traditions in the contemporary world: Hinduism, Buddhism, Judaism, Islam, Christianity, and others. The cultural, historical, political and spiritual aspects of each religion will be explored with a focus on their specific religious expressions. The historical foundations, major themes, basic beliefs, sacred writings, and various rituals of each tradition will be discussed. In addition, this course will help the students in their introductory college level social studies, liberal arts, and philosophy classes.</p>	

Theology 4: Christianity and Science	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Elective
Pre-Requisite: Successful completion of Theology 3A/3B	Year Level: 12
<p>Description: Today a perceived conflict has emerged between the disciplines of religion and science. This course will explore the question: Can a person both trust in reason and scientific truth and also live a life of faith? This semester-long senior elective course will trace the origins of this debate beginning with the early Church, through the scientific revolution and into the post-modern world. We will examine in depth ideas about the origins of the universe, atheism, evolution and the existence of God. In collaboration with the science department at Jesuit High School, the course will culminate in an exploration of the most current dialogue and areas of collaborative interest between scientists and theologians in the world today.</p>	

Theology 4: Liturgy Workshop	Duration: Two Semesters
UC/CSU Approved: Yes (Area F - Visual and Performing Arts) NCAA: No	Type of Course: Elective (substitutes for required core course and elective)
Pre-Requisite: You must complete the application process to be admitted to Liturgy Workshop. If you have any questions, please see Mrs. Crew-Renzo.	Year Level: 12
<p>Description: This two semester course gives students the basic scriptural, liturgical, communications, musical, and ministerial skills necessary for planning vibrant, nourishing liturgies. Students are expected to become competent liturgical ministers and music ministers for the Church of the twenty-first century.</p> <p>Using the liturgical cycle, the class members will discover the richness of the Catholic ritual through hands-on preparation, planning and executing liturgies in school and parish settings. Students acquire an academic understanding of the nature, history, structure, and rationale underlying Catholic liturgy. Students will study, pray, and reflect on their faith experience using the Hebrew and the Christian Scriptures. Students are required to hone their basic skills in sight singing (solfeggio), ear training, cantoring and accompanying the liturgical ensemble.</p>	

VISUAL AND PERFORMING ARTS DEPARTMENT

Development of imagination and creativity are central to the educational process at Jesuit High School, where the arts make a vibrant contribution to the curriculum.

Because of Jesuit's commitment to the arts, freshmen are required to take at least one semester of fine arts, and sophomores, juniors and seniors are encouraged to continue their exploration, either through electives or co-curricular activities. All students are required to complete two semesters of Fine Arts *in the same subject area*.

Jesuit offers exciting courses for all students in studio art, art history, film, music and drama, including advanced placement courses in Art History and Music Theory.

AP Art History	Duration: One Year
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
Pre-Requisite: Consent of the instructor; minimum grade of B in Social Science and English courses; teacher approval.	Year Level: 9-12
Description: This course is designed as an historical survey of selected works of painting, sculpture and architecture from antiquity to present. This two semester course forms an introduction to the major artistic movements in world art as well as to the study of art history. The course will stress the acquisition of perceptual and critical skills, the analysis and interpretation of style and meaning, and the ability to make and support personal decisions about works of art.	

The Art of Film A/B	Duration: Two Semesters (one year curriculum)
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
Pre-Requisite: Art of Film A - N/A; Art of Film B requires successful completion of Art of Film A	Year Level: 9-12
Description: This course is designed to give the student a basic "cineliteracy." Students will explore the major language systems and spectrum of techniques used by filmmakers in conveying meaning, all the while viewing, analyzing, critiquing, and appreciating several major filmworks of the twentieth century. First semester students learn how to engage in close reading of films, the cinematic terminology associated with film, and begin to build a historical knowledge of the development of film and film history. Second semester students will learn the work of well-known directors of major films in film history, and they will learn the use of the camera, lighting, sound and setting in films, and the rudiments of film and video production. Besides the daily viewing and critiquing of major films, students explore previsualization techniques such as storyboarding and screen writing in order to produce and direct a short film themselves. Consequently, students will concentrate on important film makers and video production. This major class project will take place in small groups.	
Students in The Art of Film B will study six (6) components of film making: dramatization, story, writing, ideology, critique, and synthesis- Citizen Kane. Using numerous film-clip examples as well as several full length films, students will learn the basics of film analysis and appreciation and the skills necessary to produce effective verbal and written responses.	

Studio Art 1A/1B - Introduction to Drawing / Painting	Duration: Two Semesters (one year curriculum)
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
Pre-Requisite: Studio Art 1A - N/A; Studio Art 1B requires successful completion of Studio Art 1A	Year Level: 9-12
<p>Description: This course is designed to give beginning art students a basic understanding of drawing and painting. It introduces them to the fundamental elements involved in art, such as the use of line, value, texture, composition, scale, proportion, perspective and foreshortening. Students also learn how to use different media; for example, charcoal, pencil, ball-point pen, pastel, brush & ink, watercolor, and acrylic. Students will be introduced to numerous cultural and historical styles and concepts. Students are given a broad range of subject matter to which they may apply these elements and media; various still-life set-ups, landscape and the figure, all of which will provide the framework for students to expand on their skills, strengthen their personal artistic vision, and broaden their understanding of art. Through critiques, students will display the ability to aesthetically value and appreciate works of art, as well as understand the relationship between art, culture, and history.</p>	

Studio Art 2A/2B - Advanced Drawing / Painting	Duration: Two Semesters (one year curriculum)
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
Pre-Requisite: Studio Art 2A requires successful completion of Studio Art 1B; Studio Art 2B requires successful completion of Studio Art 2A	Year Level: 10-12
<p>Description: This course designed to allow students to broaden their knowledge of media and art skills and to apply this knowledge to strengthen their ideas and concepts. This course will continue to explore representational art through observational drawing and painting and introduce the student to non-representational art methods and concerns. The student will also explore conceptually based art work. The course will be based on a given series of projects to which the student responds. Students will be introduced to numerous cultural and historical styles and concepts. All students, on certain projects, will use the same medium for the work; on other projects students will search for the medium that they feel best expresses the intent of the project and / or the conceptual concerns present in the work. Students in the second semester will propose a series of work based on ideas / concepts generated by the student, all of which will provide the framework for students to expand on their skills, strengthen their personal artistic vision and broaden their understanding of art. The student chooses the media and method of execution that best expressed the intent of the proposed work. The student completed a series of studies prior to beginning each project. Through critiques, students will broaden the ability to aesthetically value and appreciate works of art, as well as understand the relationship between art, culture, and history.</p>	

Advanced Art: Independent Study	Duration: Two Semesters (one year curriculum)
UC/CSU Approved: Pending (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
Pre-Requisite: Successful completion of Studio Art 2A/2B and teacher approval	Year Level: 11-12
<p>Description: This course, open to juniors and seniors, can be taken for one or two semesters. Students explore advanced methods and media in 2-D, with emphasis on developing each student's individual abilities. Much of the class is geared toward refining drawing and design skills through the completion of various observational academic assignments in still life, figure study, design, landscape and interior space. Students are encouraged to create their own goals for the year through both assigned work and independent projects. Selected second semesters students also have the option of creating Advanced Placement portfolios for submission to the Collegeboard for possible college credit.</p>	

Digital Photography 1A/1B	Duration: Two Semesters (one year curriculum)
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
Pre-Requisite: Digital Photography 1A - N/A; Digital Photography 1B requires successful completion of Digital Photography 1A	Year Level: 10-12
<p>Description: This two semester curriculum is designed to introduce the student to digital photography. Students will have the opportunity to experiment with digital photography equipment, digital photographic manipulation computer programs, image making or manipulating equipment, elements and principles of design/art (including photo history) and concepts to create photographic and/or digital art images. In this context, students will study the elements and principles of design/art as they apply to digital photographic images from black and white and color film era, focusing on the sensory, formal, expressive and aesthetic properties of photographic art and will examine closely the history and development of photography.</p>	

Digital Filmmaking 1A/1B	Duration: Two Semesters (one year curriculum)
UC/CSU Approved: Pending NCAA: No	Type of Course: Elective
Pre-Requisite: Successful completion of Art of Film A/B OR Digital Photography A/B OR approval of the instructor. Digital Filmmaking 1B requires successful completion of Digital Filmmaking 1A.	Year Level: 10-12
<p>Description: This course is designed to teach students to use digital filmmaking equipment and editing software to produce their own narrative, experimental, and documentary short films. Students will be introduced to film art and classic filmmaking techniques. Students will learn to use lighting, sound, framing, staging, and all of the elements of mise-en-scene to produce original and thoughtful work. In viewing and analyzing landmark domestic and international films made by iconic filmmakers, students will gain film literacy while finding their own artistic voices. In discussing genre, plot, narrative, and character development, students will grow in their storytelling abilities. Students will begin by completing exercises that help develop their skills and that allow them to practice the different filmmaking roles (director, writer, producer, and editor). In the later stages of the course, students will be expected to write, direct, and edit their own ten-minute short films while also serving on the filmmaking crews of their cohorts.</p>	

Instrumental Music - Beginning Band and Strings	Duration: One year
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
Pre-Requisite: N/A	Year Level: 9-10
<p>Description: Students will discover the world of music through hands on work with a concert band instrument. Music terminology, rhythmic figures and basic reading skills will be learned to further enhance this experience. Instrumental Music is considered a performing group. Students will develop and refine individual skills to prepare them to function as a member of a musical ensemble. Students are required to perform in concert venue performances. Instruments being offered include wind, percussion, and string. Successful completion of this course will give the student the skills necessary to enroll in one of the other music course offerings such as Concert Band or Orchestra.</p>	

Concert Band	Duration: One year
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
Pre-Requisite: Successful completion of Instrumental Music and permission of instructor. Prerequisite requirements can be waived for incoming freshmen through successful audition. Students must be concurrently enrolled in Marauder Band.	Year Level: 9-12
Description: This one year course is designed to explore the major musical styles of contemporary music of the 20th century. It is designed as both a performance class and an intermediate to advanced level instructional course for wind, percussion, and keyboard players. The class may include normal brass, woodwind, and percussion instruments or be limited to MIDI instruments only. Study will include, but not be limited to, listening, lecture, and actual public performance. During the year, students will develop and refine individual skills as well as developing as a musical ensemble.	

Symphonic Band	Duration: One year
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
Pre-Requisite: Successful completion of Concert Band and permission of instructor. Students must audition for placement in this course. Prerequisite requirements can be waived for incoming freshmen through a successful audition. Students must be concurrently enrolled in Marauder Band.	Year Level: 9-12
Description: This one year course is designed to explore the major musical styles of western music from baroque times through contemporary music of the 20th century. It is designed as both a performance class and an advanced level instructional course for wind, percussion, and keyboard players. Study will include, but not be limited to, listening, lecture, and actual public performance. During the year, students will develop and refine individual skills as well as developing as a musical ensemble.	

Marauder Band	Duration: One Semester (Fall)
UC/CSU Approved: No; NCAA: No	Type of Course: Activity
Pre-Requisite: Concurrent enrollment in Concert Band or Symphonic Band and Instructor Permission	Year Level: 9-12
Description: This course is open to all students. Previous experience on their instrument is required, but there is no audition. The Marauder Band is the core of our marching program. It takes place during afternoons on Wednesdays and Fridays and allows us to combine the Concert and Symphonic Bands on the field for marching practice after the school day. This allows for students to continue the study of their musicianship during the school day and focus on Marching Skills after school. Marauder Band is a co-curricular requirement for both Concert Band and Symphonic Band for the fall semester.	

Orchestra	Duration: One year
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
Pre-Requisite: Successful completion of Instrumental Music and permission of instructor. Prerequisite requirements can be waived for incoming freshmen through a successful audition.	Year Level: 9-12
Description: This one year course is designed to explore the major musical styles of western music from baroque times through contemporary music of the 20th century. It is designed as both a performance class and an intermediate to advanced level instructional course for wind, percussion, and keyboard players. The class may include normal string, brass, woodwind, and percussion instruments or be limited to MIDI instruments only. Study will include, but not be limited to, listening, lecture, and actual public performance. During the year, students will develop and refine individual skills as well as developing as a musical ensemble.	

Jazz Ensemble	Duration: One year
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
Pre-Requisite: Successful completion of Concert Band and permission of instructor. Students must audition for placement in this course. Prerequisite requirements can be waived for incoming freshmen through a successful audition.	Year Level: 9-12
Description: This one year course is designed to explore the major traditional and contemporary styles of jazz music of the 20th century through listening and performance. It is designed as both a performance class and the most advanced level instructional course for wind, percussion, and keyboard players.	

Choral Music	Duration: Two Semesters
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
Pre-Requisite: N/A	Year Level: 9-12
Description: This one year course is designed to provide the musical theory, application and appreciation necessary for the student to participate in vocal ensemble. This course is open to students with little or no prior training in music. Students will learn the correct use of the singing voice and the development of style in singing. Students are required to perform in multiple concert venues. Successful completion of this course will give the student the skills necessary to enroll in one or the other music offerings such as Concert Choir.	

Concert Choir	Duration: Two Semesters
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
Pre-Requisite: Successful completion of Choral Music and teacher recommendation.	Year Level: 10-12
Description: This one year course is designed to provide the musical theory, application and appreciation necessary for the student to participate in a vocal ensemble. This course is open to students with basic training in vocal music. Students will learn and further refine the correct use of the singing voice and the development of style in singing. Students are required to perform in multiple concert venues. Successful completion of this course will give the student the skills necessary to enroll in one of the other music course offerings such as Choral Workshop.	

Chamber Ensemble	Duration: Two Semesters
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
Pre-Requisite: Audition, application, GPA of 3.0+, English grade of B or better, successful completion of Choral Music and Concert Choir or instructor permission	Year Level: 10-12
Description: The Chamber Singers Ensemble is Jesuit High School's honors performance choir. The course is geared towards qualified students who wish to achieve the highest levels of performance through a comprehensive, systematic, and intensive study of the art of solo and ensemble singing. Students will be expected to learn important choral works from the Western classical canon, exercise critical analytical skills, explore histories of repertoire, cultivate and maintain a professional work ethic, and synthesize information through extensive written assignments, exams, and a major concert performance. Students will learn how to apply acquired knowledge of music theory and singing technique in order to achieve the optimal levels of performance. Successful completion of this year-long course will earn them UC-approved honors credit. Admission is contingent upon a successful vocal audition, a GPA of at least 3.0, an English grade of B or better, and a solid character recommendation. Prerequisites: successful completion of beginning and intermediate choir (Choral Music & Concert Chorus) or its equivalent, or permission from the instructor.	

AP Music Theory	Duration: Two Semesters
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
Pre-Requisite: Students must have a recommendation from their current music teacher and receive instructor approval for this course. See Ms. Heine with questions.	Year Level: 10-12
<p>Description: This one year course is designed to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The course will seek to instill mastery of the rudiments and terminology of music, including notation; intervals; scales and keys; chords; metric organization and rhythmic patterns. Students will listen to a wide variety of music, including not only music from standard Western tonal repertoire, but also contemporary, jazz, and popular music, and the music of non-western cultures.</p>	

ENGLISH DEPARTMENT

Jesuit High School requires eight semesters of English for graduation. The goals of the department are twofold. The primary focus is to assist the students in developing an increasing control, power, and purpose over their written work. Students should be able to respond to a variety of writing "occasions" in clear and precise prose which exhibits an individual voice and focus. The second goal is to expose students to a body of accumulated literature and various displays of humanity therein. The goal is to experience literature of lasting human value which ultimately leads to a conclusion that humanity is of inestimable worth, that we live in a universe which is constantly unfolding and revealing itself to us, and that we are called in all instances to be human and merciful and just.

English 1XL placement will be determined by previous grades in middle school/junior high, the HSPT scores, and score on the Jesuit English placement test essay.

English 2XL, AP English 3, and AP English 4 courses in the English Department have specific requirements. To be eligible for consideration, students in XL and AP courses must have at least an A- for the Fall Semester grade. Students in regular English courses must have a Fall Semester grade of at least an A. Effort and behavior in your current English class will also be considered.

English 1	Duration: One Year
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Core Graduation Rqmt
Pre-Requisite: N/A	Year Level: 9
<p>Description: Freshman English has four goals: (1) to begin a systematic approach to writing; (2) to master certain grammatical material that will aid in the development of composition skills, (3) to begin to develop the students' working vocabulary in speech and writing; and 4) to identify certain literary concepts through exposure to a wide variety of literary genres. To these ends, students will engage in a course of study that includes reading, analysis, and evaluation of drama, poem, short story, and novel. This course will present students with writing assignments and strategies that will help them to develop a personal writing voice that allows for increasing control, variation, purpose and insight. The second goal of the English curriculum is to expose students to literature of the world, across the ages, and representing the recurring issues of humanity. Through the study of various forms, students will become familiar with literary genres and begin the study of the vast body of literature available. Literature study will be rooted in works which present occasions to respond humanly and as people of faith.</p>	

English 1XL	Duration: One Year
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Core Graduation Rqmt
Pre-Requisite: English Language Arts grades for 7th/8th grades, HSPT scores for Language, Reading and Vocabulary, and results of the English Challenge Test	Year Level: 9
<p>Description: This course is an accelerated version of the normal freshman English curriculum. Students follow the normal course including literature study, composition, grammar and vocabulary but in greater detail, quantity, and with greater rigor. This is a two-semester course requiring departmental approval for placement. Placement into English 1XL will be determined by previous grades in middle school/ junior high, the HSPT scores, and score on the Jesuit English placement test essay.</p>	

English 2	Duration: One Year
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Core Graduation Rqmt
Pre-Requisite: Successful completion of English 1, English 1XL	Year Level: 10
<p>Description: Sophomore English continues to reinforce the course of study begun in the freshman year. This course covers four essential areas of instruction: world literature, grammar, composition, and vocabulary. Within these four areas, students will broaden their understanding and appreciation of increasingly more complex forms of writing through their reading of a variety of genres and exploration of a variety of themes in world literature. Students will focus on the foundations of diverse cultures through an integrated program which includes vocabulary development, critical reading, analytical writing, grammar, speaking and listening. Students will also complete a research project intended to introduce them to basic library research methods.</p>	

English 2XL	Duration: One Year
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Core Graduation Rqmt
Pre-Requisite: To be eligible for consideration, students in English 1 XL must have at least a B+ for the Fall Semester grade. Students in regular English 1 must have a Fall Semester grade of at least an A.	Year Level: 10
<p>Description: This course is an accelerated version of the normal sophomore English curriculum. Students critically analyze the various genres of literature expanding into poetry, essay, short story, novel and drama. Students also study a Shakespearean play and the Elizabethan theater. As with Freshman XL, students will follow the normal course of study for sophomore year but in greater detail, quantity, and with greater rigor.</p>	

English 3: American Literature/Composition	Duration: One Year
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Core Graduation Rqmt
Pre-Requisite: Successful completion of English 2 or English 2XL	Year Level: 11
<p>Description: This course compliments American History which is the focus of junior-year social studies. The course will survey significant authors and works from the Puritans to the Moderns. Composition is focused on literary analysis (includes and reinforces skills acquired in the first semester). The course covers the full range of American literary genres (poem, short story, essay, drama, and novel). Vocabulary study aimed at increasing spoken and written proficiency will continue. This course also advances the composition program by adding several modes, and formalizing the study of composition. Students will be developing the ability to respond to a number of writing situations (including assessment using the UC Analytical Writing Placement Examination (AWPE) and grading criteria) choosing appropriate modes, expressing themselves clearly and with a distinguishable voice. The course focuses on a variety of methods including both reading and writing journals, writers' workshop, and peer evaluation (in collaborative workshop). Critical analysis of the various literary genres is also included. Vocabulary study aimed at increasing spoken and written proficiency will continue.</p>	

AP English 3: Language and Composition	Duration: One Year
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Core Graduation Rqmt
Pre-Requisite: To be eligible for consideration, students in English 2XL must have at least a B+ for the Fall Semester grade. Students in regular English 2 must have a Fall Semester grade of at least an A.	Year Level: 11
Description: This is a college-level course open to juniors with an emphasis on intensive study of language and composition. Students will learn a number of skills designed to assist them with the stylistic analysis of various pieces of nonfiction. Students will then be asked to synthesize their analysis in both verbal and written response. Additionally, students will read and study material from all genres of American Literature. Students will take the Advanced Placement Language and Composition Examination in the spring (for college credit). This course meets the University of California requirements for an Advanced Placement course.	

AP English 4: Literature and Composition	Duration: One Year
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Core Graduation Rqmt
Pre-Requisite: To be eligible for consideration, students in English 3AP must have at least a B+ for the Fall Semester grade. Students in regular English 3 must have a Fall Semester grade of at least an A.	Year Level: 12
Description: This is a college-level course open to seniors with an emphasis on intensive study of the various genres of world literature. The students will be challenged to critically analyze and synthesize materials and respond verbally and in composition. Students will take the Advanced Placement Literature and Composition Examination in the spring (for college credit). This course meets the UC requirements for an AP course.	

English 4: The Hero's Journey in Myth, Literature & Film	Duration: One Semester
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Elective
Pre-Requisite: Successful completion of English 3: American Lit and Comp or English 3AP	Year Level: 12
Description: Prometheus ... Dr. Frankenstein ... Hamlet ... Batman ... Icarus ... Luke Skywalker ... Ebenezer Scrooge ... Dante ... Fox Mulder ... Odysseus ... Indiana Jones ... Leander ... Gilgamesh ... Truman Burbank... This senior English elective traces the evolution of Heroes as they progress from the earliest mythic stories of ancient civilizations to their modern-day counterparts in literature and film. Using a wide variety of excerpts as examples, we will apply the principles of archetypal criticism to each work as we discuss the path of the hero, the anti-hero, his shadow, and his feminine counterpart, all the while connecting their stories to our own stories of initiation, growth, quest, challenge and victory.	

English 4: Creative Writing: Short Stories	Duration: One Semester
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Elective
Pre-Requisite: Successful completion of English 3: American Lit and Comp or English 3AP	Year Level: 12
Description: This course will focus on the strategies and tools used to create short fiction. As a process of writing their own short stories, students will read and analyze the fiction of authors such as Poe, Hemingway, Chopin, Bradbury, Boyle and Soto. Students will also explore the different elements and genres of the short story as a way to find their own style and voice. While the reading and studying of the writers is a valuable aspect of the course, the final outcome is for each student to have a polished draft of an original work. Thus, the course will, at times, be conducted as a workshop where collaboration is required. The only requirements for this course are creativity and a love for reading and writing.	

English 4: Modern American Literature	Duration: One Semester
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Elective
Pre-Requisite: N/A	Year Level: 12
<p>Description: This single semester course is not a survey of American literature, but rather we will look at select authors in fiction, poetry and drama thoroughly instead of many others slightly. This class will take an in-depth look into the life and times of the author as well as the study of style, themes, unforgettable characters, and language of his/her work. Through critical reading and analysis, in-depth writing and class discussion, the class will embark on the journey of such authors as Ernest Hemingway, Lorraine Hansberry, and T.S. Eliot.</p>	

English 4: Psychological Realism (Aesthetic Horror)	Duration: One Semester
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Elective
Pre-Requisite: Successful completion of English 3: American Lit and Comp or English 3AP	Year Level: 12
<p>Description: Most of us enjoy a good scare—under the right circumstances. This course examines the genre of aesthetic horror to understand how, when, why, and under what circumstances we willingly subject ourselves to terrifying, horrific, and repulsive stories. By studying the works of writers such as Edgar Allan Poe, H. P. Lovecraft, Stephen King, Shirley Jackson, William Peter Blatty, Margaret Atwood, and Peter Straub, the films of directors like James Whale, John Carpenter, Wes Craven, and James Wan, and oral performances such as those produced by Dark Adventure Radio Theatre, we will identify what is horrifying for particular cultures at particular time periods in order to understand the personal appeal and social value of aesthetic horror.</p>	

English 4: Detective Fiction	Duration: One Semester
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Elective
Pre-Requisite: Successful completion of English 3: American Lit and Comp or English 3AP	Year Level: 12
<p>Description: Most everyone loves a good mystery. A good riddle. A tough case. A head-scratcher. A “pot-boiler.” What is it about this genre that has captivated readers for hundreds of years, creating generation after generation of loyal fans, amateur sleuths and arm-chair detectives? Find out on a one-semester journey through case-files, short stories, novels and films, and meet the world’s greatest detectives as they solve their greatest cases. Sharpen your observing eye, match wits with master criminals, and try to solve the seemingly unsolvable!</p>	

English 4: Dystopian Literature	Duration: One Semester
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Elective
Pre-Requisite: Successful completion of English 3: American Lit and Comp or English 3AP	Year Level: 12
<p>Description: The success of The Hunger Games series has rekindled interest in a subgenre of fiction: the dystopian tale, in which a seemingly perfect or “better” society is revealed to be fatally flawed. Dystopian stories cross boundaries between science fiction, fantasy, horror, literary fiction, drama, short stories, and film. In this course, we will consider why dystopian stories have staying power and try to determine how these stories serve as critiques of the political status quo, warnings about the development of technology, and challenges to our morals and ethics. Along the way we will study works by authors like Thomas More, Franz Kafka, George Orwell, Aldous Huxley, Ray Bradbury, Kurt Vonnegut, Margaret Atwood, Octavia Butler, Kazuo Ishiguro, Alan Moore, Philip K. Dick, and Ursula K. LeGuin.</p>	

English 4: Graphic Novel	Duration: One Semester
UC/CSU Approved: Yes NCAA: Pending	Type of Course: Elective
Pre-Requisite: Successful completion of English 3: American Lit and Comp or English 3AP	Year Level: 12
<p>Description: The graphic novel, a term given to longform narrative comics, has exploded in popularity and sophistication in the last 25 years. We will explore the history of the form, learn the language of comics as art and literature, apply previous skills and knowledge from reading literature to a new genre, and read full-length works by groundbreaking authors like Will Eisner, Alan Moore, Marjane Satrapi, Art Spiegelman, and Joe Sacco. The course will focus on genre study of the graphic novel (both fiction and non-fiction) and will point students toward college-level analytical writing by examining nontraditional texts.</p>	

English 4: Creative Non-Fiction	Duration: One Semester
UC/CSU Approved: Pending (Area B - English); NCAA: Pending	Type of Course: Elective
Pre-Requisite: Successful completion of English 3: American Lit and Comp or English 3AP	Year Level: 12
<p>Description: In every type of creative nonfiction writing, there is one overarching goal: to capture the truth. Every writer must find his or her own method of expressing this through tailoring stylistic choices to the needs of each unique story. For this course, students will learn to apply the techniques of storytelling to nonfiction prose pieces, including personal essays, commentaries, reviews, reports, journal entries and memoirs. Class discussions and writing assignments focus on story principles such as plot, tension, scene and dialogue that increase the readability of works and form material into publishable pieces. The skills required to compose a successful piece of creative nonfiction such as close attention to style and form, the persuasive development of ideas, the needs of a diverse audience, interdisciplinary research, and the revision process all prepare students for success in a wide range of professional contexts. Students are encouraged to explore and articulate some of the most significant ideas, feelings, and experiences in their lives.</p>	

English 4: Poetry	Duration: One Semester
UC/CSU Approved: Yes NCAA: Yes	Type of Course: Elective
Pre-Requisite: Successful completion of English 3: American Lit and Comp or English 3AP	Year Level: 12
<p>Description: This course provides an intensive introduction to the theory, criticism, composition, and performance of poetry. Students will read, listen to, analyze, write, and recite poetry in both the narrative and lyrical modes. Students will become familiar with a variety of poetic forms, including the ballad, ode, sestina, and sonnet, as well as examples of free verse. Students need not have prior experience or special aptitude, just a willingness to develop an understanding and appreciation of poetry.</p>	

WORLD LANGUAGES DEPARTMENT

The World Languages Department offers three world languages, French, Spanish, and classical Latin. Three years of one language, or two years each of two languages, are required for graduation. Four years are offered and encouraged in all languages. **Note: The criterion for enrollment in all levels other than level 1 is listed below.** Please check with your current instructor if you have any questions.

Latin 1	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: N/A	Year Level: 9
<p>Description: Latin 1 is a beginning course, designed to teach the student the introductory elements of the Latin language so that he can read simple Latin sentences within connected passages with understanding and enjoyment. This course will be engaged in a close study of Latin grammar, syntax, and vocabulary. By the end of the course, students will be expected to have a recognition vocabulary of 250 Latin words without prompting. Students will also be occupied with a careful analysis of the Latin linguistic influence on the English language. Beyond their language studies, students will be learning about Roman family life and the early history of Rome in written or oral reports.</p>	

Latin 2	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Successful completion of Latin 1 with a grade of C- or better	Year Level: 10
<p>Description: Latin 2 is an intermediate course, designed to expose the student to the more advanced elements of the Latin language so that he can read compound and complex Latin sentences within connected passages with understanding and enjoyment. This course will be engaged in a close study of Latin grammar, syntax, and vocabulary. By the end of the course, students will be expected to have a recognition vocabulary of 500 Latin words without prompting. Students will also be occupied with a careful analysis of the Latin linguistic influence on the English language. Beyond their language studies, students will be learning about Roman society and the Roman Empire in written or oral reports.</p>	

Latin 3 Honors	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Successful completion of Latin 2 with a grade of C- or better	Year Level: 11
<p>Description: Latin 3 honors is an advanced course, designed to expose the student to the advanced elements of the Latin language so that he can gain proficiency in translating the most common types of advanced Latin sentences. This course will be engaged in a close study of Latin grammar, syntax, and vocabulary. By the end of the course, students will be expected to have a recognition vocabulary of 750 Latin words without prompting. Students will also be occupied with a careful analysis of the Latin linguistic influence on the English language. Students will be reading authentic Latin and will be exploring the different genres of Latin literature. They will also learn to scan and to read Latin poetry in meter and they begin to study the figures of speech in Latin literature. Students will meet such authors as Cicero, Caesar, Vergil, Livy, and Ovid. Beyond their language studies, students will be learning about selected topics in Roman culture in written or oral reports.</p>	

AP Latin 4 - Vergil	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Honors Elective Course
Pre-Requisite: Successful completion of Latin 3H with a grade of B- or better	Year Level: 12
<p>Description: AP Latin 4 prepared the student for the Advanced Placement Examination in Latin in the spring of his senior year. This is a selections course in Vergil's <i>Aeneid</i> and Caesar's <i>Gallic Wars</i>. Students will be undertaking a college-level course of study and, upon its successful completion, will enter college with a significant grounding and substantial ability in Latin. Instruction in this course is designed to help students accomplish several core objectives, in addition to acquiring proficiency in advanced Latin grammar. Each student's skills in composing both the long and the short essay will be developed. By the end of the course, students will be expected to have a recognition vocabulary of 1000+ Latin words without prompting. Students will become familiar with the meter (Vergil only), stylistic devices, and figures of speech employed by both authors. A thorough examination of the historical, social, cultural and political backdrop for each author's work will be covered. Students will be investigating such global themes as Literary Genre and Style, Roman Values, War and Empire, and Views of Leadership in order to obtain an in-depth perspective on ancient Roman culture and traditions. Students will also be working toward achieving facility in Latin sight translation, both poetry and prose.</p>	

French 1	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: N/A	Year Level: 9
<p>Description: The course introduces the basic grammatical structures of the French language and develops listening, speaking, reading and writing skills, as students learn vocabulary pertaining to simple, selected topics of discussion. An introduction to the culture of France and other French-speaking countries is an integral part of the program.</p>	

French 2	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Successful completion of French 1 with a grade of C- or better	Year Level: 10
<p>Description: The course is designed to continue the mastery of basic linguistic structures and further develop and strengthen the communication skills in modern French. Grammar, vocabulary, pronunciation and cultural information are organized around this purpose. Speaking, listening, reading and writing skills will be developed through greater usage of the target language; films, audio and online resources are utilized in addition to the book.</p>	

French 3	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Successful completion of French 2 with a grade of C- or better	Year Level: 11
<p>Description: This course is designed to continue to reinforce and expand the student's fluency (speaking, writing, reading, and listening) in French while encouraging their personal reaction to and active participation in the learning process. After a comprehensive review of and using the knowledge acquired during the first two years, the students will continue to study culture of the Francophone world and more complex grammar structures.</p>	

French 3 Honors	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Honors Core Course
Pre-Requisite: Successful completion of French 2 with a grade of B- or better	Year Level: 11
Description: This course is designed to deepen the four communication skills in French as well as prepare students for French 4 Honors. The course will help the students, via the three modes of communication (interpretative, interpersonal, and presentational), to strengthen: a) Practical speaking skills; b) Listening skills (understand more complicated exchanges such as newscasts, advertising); c) Reading skills (including reading a short novel in French); d) Writing skills. Students will continue to expand their knowledge of the many cultures of the Francophone world.	

French 4	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Honors Core Course
Pre-Requisite: Successful completion of French 3 or French 3 honors with a grade of C- or better	Year Level: 11, 12
Description: French 4 will emphasize and expand communicative proficiency (oral and written); solidify the foundational structures and thematic vocabulary acquired the previous three years; develop a deeper awareness of the francophone world and its products and practices; introduce more advanced language structures; enrich vocabulary. Students will improve oral proficiency through daily, thematic conversational practice as well as their presentational skills.	

French 4 Honors	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Honors Core Course
Pre-Requisite: Successful completion of French 3 with an A-average or French 3H with a B- average	Year Level: 12
Description: The French 4 Honors languages course is designed for those who have chosen to develop their proficiency in French. The course emphasizes the use of language for active communication and has the following objectives: a) the ability to understand spoken French in various conversational situations; b) development of a French vocabulary sufficient for reading newspaper and magazine articles, literary texts and other non- technical writings with dependence on a dictionary; c) ability to express oneself in French both in speech and in writing accurately and resourcefully with reasonable fluency; d) deepen knowledge and appreciation of the francophone world. The course content reflects intellectual interests shared by the students and teacher (arts, current events, literature and sports). This course offers preparation for students interested in taking the AP French Language Exam.	

Spanish 1	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: N/A	Year Level: 9, 10
Description: The course is designed to introduce and lay the foundation of the Spanish language and the Hispanic world. These objectives are accomplished through a variety of activities: cooperative learning drills, oral and written assignments; and reading and listening comprehension exercises.	

Spanish 1XL	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Prior Spanish experience and Spanish department placement exam (see Calendar for date) or by petition for students with qualifying HSPT scores.	Year Level: 9
<p>Description: Spanish 1XL is an accelerated version of Spanish 1. This course is designed to be the first step in preparing students for the College Board's AP test taken after the completion of Spanish 4AP. Course instruction will be conducted in a manner to develop greater facility with the four principle areas of language acquisition: reading, writing, listening, and oral comprehension. Furthermore, this course will set the foundation for competency in the three modes of communication (interpretative, interpersonal, and presentational) as defined by the Standards for Foreign Language Learning in the 21st Century. Eligibility determined by A) prior Spanish experience and Spanish department placement exam (see calendar for dates) or B) by petition for students with qualifying HSPT English scores. PRIOR SPANISH EXPERIENCE IS NOT A REQUIREMENT FOR THIS COURSE.</p>	

Spanish 2	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Successful completion of Spanish 1 with a grade of C- or better	Year Level: 10, 11
<p>Description: The course is designed to strengthen the foundations started in Level 1. Our goal is to develop greater facility with all aspects of the target language; reading, writing, listening, and oral comprehension. This is accomplished through greater usage of the target language by both teacher and student. Films, current events, and cultural discussions are used to better understand the Hispanic culture.</p>	

Spanish 2(XL)	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Minimum final average of A- in both semesters of Spanish 1 or minimum final average of B- in Spanish 1XL.	Year Level: 9, 10
<p>Description: This course is an AP directed class for students who desire a more intensive experience of the Spanish language and culture. To enhance foreign language acquisition, most of the class will be taught in the target language. To develop language proficiency verbal, auditory, reading, and writing exercises will be presented at an advanced level.</p>	

Spanish 2A/B	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Teacher recommendation (typically grade below C- average in Spanish 1).	Year Level: 10, 11
<p>Description: This course is designed for students needing more time with foreign language acquisition. It is a two-year course, in which the curriculum of Spanish I and II will be completed. To accommodate the varied learning styles, class size consideration will be given.</p>	

Spanish 3	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Successful completion of Spanish 2 with a grade of C- or better; Spanish 2B with a grade of C- or better	Year Level: 11, 12
Description: This course is designed to reinforce comprehension and utilization of the language. This is accomplished through cooperative learning exercises, oral reports and presentations. Audio-visual materials are used to improve comprehension and develop better writing skills. A variety of readings are provided to capulate the student's understanding of the language and culture of the Hispanic world.	

Spanish 3 (Honors)	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Honors Core Course
Pre-Requisite: Successful completion of Spanish 2XL with a B-average	Year Level: 11, 12
Description: This class is designed as a preparatory class for Advanced Placement Spanish IV. The main focus is developing oral, listening, writing, and reading skills. To fulfill these goals, a wide variety of cooperative learning exercises are utilized in conjunction with oral reports, audio self-taping, writing exercises, and readings from throughout the Hispanic world.	

Spanish 4	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Successful completion of Spanish 3 with a grade of C- or better	Year Level: 11, 12
Description: This class is designed to offer an opportunity for the student at Jesuit High School, who has not chosen the advanced placement track, to continue his education in the Spanish language. Emphasis will be placed on fostering an appreciation for the Spanish speaking world's language and culture and enforcing the student's confidence in their ability to communicate in the target language while fostering an interest in learning Spanish beyond the classroom.	

AP Spanish 4: Spanish Language	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Honors Elective Course
Pre-Requisite: Successful completion of Spanish 3H with a B-average	Year Level: 12
Description: This course, conducted exclusively in Spanish, expands the student's knowledge and usage of the Spanish language and provides a general knowledge of the history and culture of the Spanish-speaking countries and their inhabitants. Its primary goal is to enable the student to communicate proficiently in a pre-advanced to an advanced level in Spanish in order to prepare for the College Board's AP test. This course will provide students with opportunities to use Spanish in the interpersonal, interpretative, and presentational modes, prepare and guide students to comprehend Spanish intended for native speakers in all the linguistic skills, produce written and spoken language recognized and comprehended by native speakers, and present general cultural perspectives of the Spanish-speaking countries.	

MATHEMATICS DEPARTMENT

The Mathematics Department at Jesuit High seeks to give students a fundamental appreciation of the techniques of mathematical problem solving and reasoning. Three years of math (Algebra 1, Geometry, Algebra 2) are required for graduation, and most students elect to take a fourth year. Many college majors require at least one year of calculus, and students are encouraged to continue their math study through senior year in order to be as flexible as possible in choosing courses in college.

Students presently in an XL/Honors course must maintain an overall grade of 85% or above in their present math class to proceed to the next level advanced math class. Students presently in a regular math class hoping to move up to XL/Honors classes, must maintain an overall grade of 95% or above to be considered for placement in those classes. Decisions on initial course placement requests are communicated to the students when they receive their approved class list by email in the Spring.

Algebra 1 B	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Department Approval; Entrance exam math score and grammar school math GPA, standardized test scores.	Year Level: 9
Description: This program was developed for students who, by the nature of their mathematical backgrounds and maturity, can expect to learn Algebra 1 more effectively by having it presented at a slower pace. The course follows the general goals and objectives of the regular Algebra 1 course. However, the additional time will allow the teacher to give attention to the varying remediation needs of the target students. Students begin this course during the summer prior to the 9th grade.	

Algebra 1	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Department Approval; Entrance exam math score and grammar school math GPA, standardized test scores.	Year Level: 9
Description: Algebra 1 is a traditional course in elementary algebra with an emphasis on problem solving. The course falls into four basic parts: 1) the four operations on real numbers and their use in the solution of simple equations and related problems; 2) polynomials, factoring, and fractions, leading to the solution of more complicated problems; 3) inequalities, functions and relations, and systems of open sentences; and 4) irrational numbers and quadratic functions and equations.	

Algebra 1 XL	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Department Approval; Entrance exam math score and grammar school math GPA, standardized test scores.	Year Level: 9
Description: The course follows the general goals and objectives of the regular Algebra 1 course. However, particular detail is given to the proofs of several theorems and their applications. In addition, advanced topics of algebra are introduced: absolute value equations and inequalities; polynomial functions and their graphs; analytic techniques to explore various curves; other topics. Finally, students will be given challenge problems designed for curricular enrichment and requiring independent study and research.	

Geometry	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Successful completion of Algebra 1, Algebra 1XL; or completion of Algebra 1B with an A or better	Year Level: 9, 10
<p>Description: The course reviews the base concepts, terminology and notations involved in geometry. Both abstract and practical aspects are covered. The subject is explained and developed as an organized system, building from a beginning with the three undefined terms, (point, line and plane), using them in definitions and postulates, and then finally, in proved theorems. Definitions, postulates, and theorems are systematically brought into the course along with the subjects to which they pertain. Also, algebraic and arithmetic methods and relationships are employed throughout the course. In this way, algebra skills are maintained and the students are better prepared to enter into the geometric aspects of advanced algebra, trigonometry, analytic geometry, and calculus.</p>	

Geometry B	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Successful completion of Algebra 1B	Year Level: 10
<p>Description: This program was developed for students who, by the nature of their mathematical backgrounds and maturity, can expect to learn Geometry more effectively by having it presented at a slower pace. The course follows the general goals and objectives of the regular Geometry course. However, the additional time will allow the teacher to give attention to the varying remediation needs of the target students.</p>	

Geometry XL	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Passing Algebra 1 with an A or better (95% or better) or Algebra 1(XL) with a B or better (85% or better)	Year Level: 9,10
<p>Description: Geometry XL is a one-year course developed for students who can benefit from a geometry course that moves at a faster pace. The problems set will cover topics in a more thorough manner than regular geometry. As a comprehensive course in Euclidean plane geometry, the class examines the elemental geometric figures: line, angle, triangle, polygon and circle. The class also examines their properties: parallelism, perpendicularity, congruency and similarity. Additionally, logical reasoning and spatial visualization skills are developed to prepare students for further study in Mathematics and the application of skills to the solution of practical problems. The course provides extensive experience with the devising, presentation and defense of student proofs and the theoretical consideration of the nature of proof. Algebra 2 material and more advanced Trigonometry is also previewed during the second semester to facilitate a smooth transition into Algebra 2 Honors the next academic year.</p>	

Algebra 2	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Successful completion of Geometry or Geometry XL; or completion of Geometry B with an A (95% or better)	Year Level: 10, 11
<p>Description: The Algebra 2 course begins with a review of elementary algebra concepts, including factoring, graphing and the real number system. The ensuing material examines algebra as functions, relations and transformations. The first part of the course focuses on quadratic, polynomial, exponential, logarithmic, radical and rational functions both algebraically and graphically. The second part of the course delves into statistics, probability, sequences and series before introducing the trigonometric functions in preparation for higher level math courses.</p>	

Algebra 2B	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Successful completion of Geometry B	Year Level: 10, 11
<p>Description: This program was developed for students who, by the nature of their mathematical backgrounds and maturity, can expect to learn Algebra 2 more effectively by having it presented at a slower pace. The course follows the general goals and objectives of the regular Algebra 2 course. However, the additional time will allow the teacher to give attention to the varying remediation needs of the target students.</p>	

Algebra 2 Honors	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Passing Algebra 1 and Geometry with an A (95% or better) or Algebra 1(XL) and Geometry (XL) with a B (85% or better).	Year Level: 9, 10, 11
<p>Description: This course follows the description of the regular Algebra 2 course but moves at a much faster pace and covers the material with more depth. In addition to more advanced problems, this course covers conic sections and trigonometry.</p>	

Financial Algebra	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Elective Course
Pre-Requisite: Successful completion of Algebra 1 or Algebra 1B, Geometry or Geometry B, Algebra 2 or Algebra 2B	Year Level: 12
<p>Description: For students passing Algebra 2 or Algebra 2B with a C- or above, Financial Algebra is a math elective. Financial Algebra offers students an opportunity to view the world of finance through a mathematical lens. The topics were developed using the Common Core State Standards in Mathematics and the NCTM Curriculum and Evaluation Standards. The mathematical formulas, functions, and pictorial representations used assist students in making sense of the financial world around them and equip them with the ability to make sound financial decisions.</p> <p>Topics to be covered include The Stock Market, Modeling a Business, Banking Services, Consumer Credit, Automobile Ownership, Employment, Income Taxes, Planning for retirement, Preparing a Budget.</p>	

Statistics	Duration: One Year
UC/CSU Approved: Yes NCAA: Pending	Type of Course: Elective Course
Pre-Requisite: Successful completion of Algebra 2 with a grade of C+ or better or a grade of A or better in Algebra 2B or successful completion of Algebra 2H.	Year Level: 12
Description: This course is an introduction to the study of statistics and probability. Students will learn how to collect, analyze and draw conclusions from data. Areas of focus within Statistics are organization of data in tables and visual representation of data in graphs, measures of central tendencies (mean, median, and mode) and measures of variation (variance and standard deviation) of both discrete and grouped data. This leads into the computation and application of various standard distributions (normal, binomial, and exponential), The Central Limit Theorem, and confidence intervals for measures of central tendencies and variation. All of these concepts will be applied to experimental design, and hypothesis testing.	

Pre-Calculus	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Elective Course
Pre-Requisite: Successful completion of Algebra 2 with a B (85% or better), or Algebra 2 H and adequate performance on the final exam. Students wishing to take Precalculus after taking Statistics must see Mrs. Brown and successfully complete a packet to be considered for placement.	Year Level: 11, 12
Description: Pre-Calculus mathematics is a course designed for the student who intends to study Calculus or pursue college in the direction of the natural or physical sciences. Traditional topics of algebra are reviewed at the beginning of the course. The properties of algebraic, logarithmic and exponential functions will be developed with great emphasis placed on sketching curves using data such as zeros, asymptotes, and discontinuities. The student is given a rigorous course in trigonometry covering all major topics that are of importance to a future calculus student. Circular functions are developed first, followed by the trigonometric functions of measures of the general angles. Applications of all these topics will be introduced. If time is available, vectors will be covered.	

Pre-Calculus Honors	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Elective Course
Pre-Requisite: Successful completion of Algebra 2 with an A (95% or better) or Algebra 2(H) with a B (85% or better), and adequate performance on the final exam	Year Level: 10, 11, 12
Description: This course is designed for the student of high ability and motivation who will study all the topics of the regular pre-calculus course but in more depth. This course will prepare a student for taking AP Calculus. In addition to the topics covered in Pre-Calculus, students will be introduced to the trigonometric form of complex numbers, vectors, solving systems of equations and inequalities, the algebra of matrices, determinants, sequences and series, permutations, combinations, and probability, conic sections, parametric equations, and polar coordinates along with selected topics at the discretion of the instructor.	

Calculus	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Elective Course
Pre-Requisite: Successful completion of Pre-Calculus with a B (85% or better) or Pre-Calculus(H) with a C- or better, and adequate performance on the final exam.	Year Level: 11, 12
Description: This course is similar to AP Calculus, but the topics are covered at a slower pace. This course presents a detailed investigation of the two main concepts of a first year study of the Calculus; differentiation and integration. In order to facilitate this investigation, the student will study the properties of algebraic and trigonometric functions; limits and continuity; differentiation; solutions of differential equations; the anti-derivative; definite integration and plane analytic geometry. In each area, applications are made by the student in the use of the Calculus to solve problems in the sciences, economics and business. Development of organizational and analytical skills in problem solving and presentation is stressed.	

Advanced Placement Calculus (AB)	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Elective Course
Pre-Requisite: Successful completion of Pre-Calculus with an A (95% or better) or Pre-Calculus Honors with a B (85% or better), and adequate performance on the final exam.	Year Level: 11, 12
Description: This course presents a detailed investigation of the two main concepts of Calculus; differentiation and integration. In order to facilitate this investigation, the student will study the properties of elementary functions (algebraic, trigonometric, exponential, and logarithmic); limits and continuity; differentiation; solutions of differential equations; the anti-derivative; definite integration and plane analytic geometry. In each area, applications are made by the student in the use of the Calculus to solve problems in the sciences, economics and business. Development of organizational and analytical skills in problem solving and presentation is stressed. Students are expected to take the National Advanced Placement test in the last month of the course.	

Advanced Placement Calculus (BC)	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Elective Course
Pre-Requisite: Successful completion of Calculus with an A (95%) or better or AP Calculus AB with a B (85%) or better.	Year Level: 12
Description: This course includes a comprehensive review of all topics covered in the AB course (see AB course description included in this catalogue). In addition, the student will study infinite sequences and series and applications of calculus to polar, parametric, and vector functions. Development of organizational and analytical skills in problem solving and presentation is stressed in this course, as in the AB course. Students are expected to take the National Advanced Placement test in the last month of the course.	

Advanced Placement Computer Science Principles	Duration: One Year
UC/CSU Approved: Yes (Area G - Elective); NCAA: No	Type of Course: Elective Course
Pre-Requisite: Prior or concurrent completion of honors/XL mathematics or science; or passing Cybersecurity, Web Design, or Robotics enrichment course; or teacher recommendation.	Year Level: 9-12
<p>Description: An introduction to computing and computer science, including the history, social implications, great principles, and future of computing; applications that have changed the world; how computing empowers discovery and progress in other fields; relevance of computing to the student and society. Students will learn to program a computer using a friendly, graphical language, and will complete a substantial programming project related to their interests, in addition to taking the Advanced Placement exam.</p>	

AP Computer Science A	Duration: One Year
UC/CSU Approved: Yes (Area G - Elective); NCAA: No	Type of Course: Elective Course
Pre-Requisite: Successful completion of AP Computer Science Principles with a B (85% or better)	Year Level: 11, 12
<p>Description: This course is comparable to a first-semester college-level computer science course, and teaches students to code fluently in an object-oriented paradigm using the programming language, Java. The course covers all topics outlined in the AP Computer Science A course description published by the College Board (including program control constructs, standard data types, class methods, object-oriented design and programming concepts, creating and modifying classes, sorting and searching algorithms, recursion, data structures, use of standard Java class libraries, documentation, and testing) and will prepare students to take the AP Computer Science A exam in the spring. Additional topics will be covered to enhance understanding of the AP subset and to provide an appropriate breadth of knowledge to continue computer science studies in college.</p>	

Math Department Summer School Courses - All courses taken for advancement must first be approved by your current Math teacher, the Math department chair, AND the AP for Curriculum and Assessment	Duration
<p>Geometry XL</p> <p>The course has the same goals and objectives as the full year course of Geometry XL, with emphasis on formal deductive proof with applications to geometric figures. Students will also be introduced to construction and inductive reasoning. A grade of A in Algebra I or a B in Algebra 1XL is a prerequisite for this course. Jesuit students must obtain prior department approval.</p>	6 weeks
<p>Algebra 1</p> <p>The course has the same goals and objectives as the full year course of Algebra 1, with emphasis on operations with polynomials and rational expressions, solutions of quadratic equations by factoring and formula, and solution of elementary word problems. Jesuit students must obtain prior department approval.</p>	6 weeks
<p>Pre-Algebra</p> <p>This course is designed to help students who have previously shown a weakness in the fundamentals of mathematics as well as to give all students a solid foundation in the fundamental concepts of Algebra. Pre-Algebra is very helpful to incoming Freshmen in giving them a head start in their first year of high school mathematics.</p>	4 weeks
<p>Algebra 1 Review</p> <p>This course is designed for students who have completed a full year of Algebra I but need some additional instruction in preparation for taking an accelerated or honors level course at Jesuit. A diagnostic test is administered at the beginning of the course to assess student strengths and weaknesses. The expectation is that students who successfully complete this course will demonstrate mastery of Algebra I concepts in line with those students taking accelerated Algebra 1 at Jesuit. Students will be assessed on a weekly basis and will take an exam similar in content and rigor to the year-end final exam in Algebra 1(XL).</p>	3 weeks

PHYSICAL EDUCATION DEPARTMENT

Two semesters of Physical Education are required for graduation. In addition, students must pass the Health portion of the course with a score of 70% or better in order to graduate.

PE 1	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Core Course
Pre-Requisite: N/A	Year Level: 9
<p>Description: All freshmen must enroll in one semester of physical education. (This requirement may be waived for students enrolled in fine arts courses) The freshman year promotes fitness as a lifetime responsibility. Students will participate in weight training one day per week, along with a number of the following activities: Swimming/water polo, speedball, basketball, softball, floor hockey, volleyball, flag football and/or ultimate Frisbee. Students will be tested in the 12 minute run, 40-yard dash, standing vertical jump, 10-yard shuttle run and a 3 repetition maximum bench press. Athletic ability is not emphasized. Participation, attitude, effort and cooperation with peers as well as instructors are the benchmarks used to determine final grades.</p>	

Health Education Course Description	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Core Course
Pre-Requisite:	Year Level: 9
<p>Description: All freshmen enrolled in physical education or fine arts courses are concurrently enrolled in the on-line Jesuit Virtual Learning Academy (JVLA) <i>Growing Up Healthy</i> course. This course fulfills the state mandated requirement for high school graduation. Over a 14-week period, seven learning modules are presented: The human body, puberty, diet/nutrition, exercise, mental/emotional//spiritual health, risky behaviors and first aid. A minimum cumulative score of 70% or higher is required for graduation from Jesuit High School.</p>	

PE 2	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Core Course
Pre-Requisite: N/A	Year Level: 10
<p>Description: All Sophomores must enroll in one semester of Physical Education. The sophomore year continues the foundation laid in the freshman year. Sophomores are expected to have an understanding of all physical activities, allowing for advanced skill work in the various units. The sophomore course continues the Health Education curriculum.</p>	

PE - Yoga	Duration: One Semester
UC/CSU Approved: No NCAA: No	Type of Course: Elective
Pre-Requisite: None	Year Level: 11-12
<p>Description: This course is designed to introduce students safely and accessibly to the poses, breathing techniques, and relaxation methods of yoga. Students will learn how to improve muscular strength, muscular endurance, flexibility and balance. In addition, students will learn methods to reduce stress and improve concentration. The goal of this course is to provide students with tools for lifelong health and fitness.</p>	

All students must pass the Health Education Curriculum mandated by the State of California in order to graduate.

SCIENCE DEPARTMENT

The classes of 2018 and 2019 are required to complete five semesters of science. The classes of 2020 and 2021 are required to complete six semesters of science. Students who may study science in college are encouraged to take an additional science class their senior year. The Jesuit graduation requirement fulfills the University of California's laboratory science admissions requirement.

Biology	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: N/A	Year Level: 9
Description: An introduction to General Biology as a laboratory science applying the tools of scientific investigation. Topics include use of the microscope, diversity of life on the plant, cell structure and function, evolution and natural selection, molecular biology, genetics, reproduction, circulation, respiration, and digestion. Laboratory investigations are an integral part of the course.	

Biology XL	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Elective Core Course
Pre-Requisite: Incoming freshman, currently placed in Geometry XL or higher	Year Level: 9
Description: Covers the same standards as regular Biology but at a faster pace and in greater depth. Topics include the use of microscopes, the diversity of life on the planet, cell structure and function, evolution and natural selection, molecular biology, genetics, reproduction, circulation, respiration, and digestion. Students will be expected to understand material in greater depth and demonstrate this understanding through more rigorous assessment. This is a laboratory science applying the tools of scientific investigation.	

AP Biology - 10	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Elective Core Course
Pre-Requisite: Sophomores must have completed Biology with an A or better or Biology XL with a B or better	Year Level: 10
Description: AP Biology includes those topics regularly covered in a college biology course for biology majors. This course differs significantly from the regular college-prep Biology course offered at Jesuit High School with respect to the textbook used, the range and depth of topics covered, the intensity and depth of the laboratory exercises, and the time and energy required of each student. The textbook used by this course is a college text used by college Biology majors.	
All topics discussed and the amount of each topic covered in this course is representative of the goals set down by the College Board and the National AP Examination. AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. Students must take the AP exam for course credit.	

AP Biology - 11, 12	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Elective Core Course
Pre-Requisite: Juniors and Seniors must have completed Chemistry with an A or better or AP Chemistry with a C or better	Year Level: 11, 12
<p>Description: AP Biology includes those topics regularly covered in a college biology course for biology majors. This course differs significantly from the regular college-prep Biology course offered at Jesuit High School with respect to the textbook used, the range and depth of topics covered, the intensity and depth of the laboratory exercises, and the time and energy required of each student. The textbook used by this course is a college text used by college Biology majors.</p> <p>All topics discussed and the amount of each topic covered in this course is representative of the goals set down by the College Board and the National AP Examination. AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. Students must take the AP exam for course credit.</p>	

Biology 2 Anatomy / Physiology	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Elective Core Course
Pre-Requisite: Must have successfully completed any level of Chemistry with a C- or better	Year Level: 12
<p>Description: Anatomy/Physiology is a course of study pertaining to the structure and function of the human body. This course may be used as a preparatory for students entering the allied health fields, physical ed, art, psychology or anthropology. This course will provide a conceptual framework in human anatomy and physiology. The theme of the text is homeostasis, how the body manages to integrate all its functions and systems in the daily maintenance of life. This course uses the systemic approach, in which the body systems are studied individually. The text is divided into twenty chapters, which are grouped by common themes into six units.</p>	

Chemistry in the Community	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Must have successfully completed any level of Biology	Year Level: 11
<p>Description: This course explores chemistry as it relates to household, local, and global environments. It is a lab-oriented course that explores chemistry concepts such as: water purity, chemical resources, petroleum resources and alternatives, chemistry of food, nuclear chemistry, atmospheric chemistry, biochemistry, and industrial chemistry.</p>	

Chemistry	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Successful completion of Biology with a C or better, Biology XL with a grade of C- or better or AP Biology with a C- or better; and a C+ or better in Algebra 1 or a C- or better in Algebra 1 XL or successful completion of any higher level math	Year Level: 10, 11
<p>Description: An introduction to General Chemistry as a laboratory oriented course. Topics studied include mathematical foundations, measurement, matter and energy, atomic structure and theory, The Periodic Law (Periodicity), chemical bonding, chemical formula calculations, writing and balancing chemical equations, stoichiometry, the Gas Laws, Solution chemistry, Acid and Base chemistry, Organic and Nuclear chemistry.</p>	

AP Chemistry	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Elective Core Course
Pre-Requisite: Successful completion of Biology with an A or better, Biology XL with a B+ or better, or AP Biology with a C+ or better; and Geometry XL with an A or better or Algebra 2 with a B or better or successful completion in any other higher level math	Year Level: 10, 11
Description: A chemistry course designed to be the equivalent of the general chemistry course usually taken during the first year of college. This course differs qualitatively from the usual first secondary school course in chemistry with respect to chemical calculations and mathematical formulation of principles, and the kind of lab work done. Such calculations include percentage composition, empirical and molecular formulas from experimental data; molar masses from gas density; freezing point and boiling point measurements; the gas laws; stoichiometric calculations; mole fractions; electrolysis; equilibrium constants and their applications; standard electrode potentials; and thermodynamics. Student must take AP exam for course credit.	

Physics	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Elective Course
Pre-Requisite: Successful completion of any level of Chemistry with a C- or better	Year Level: 11, 12
Description: An introductory course studying the basic principles of our mechanical universe including: mechanics & dynamics, energy, heat, sound, light, optics, electrical applications, magnetism and nuclear physics. Concepts and practical applications are emphasized with intensive lab activity. A basic understanding of trigonometry is required from Algebra II for success in problem solving and project challenges. If you question your math background for this course, please speak to the instructor.	

AP Physics 1	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Elective Honors Course
Pre-Requisite: Successful completion Chemistry with an A or better, or AP Chemistry with a B- or better; and Algebra 2 with a B+ or Algebra 2H with a B or better or successful completion of any higher level math	Year Level: 11, 12
Description: This course is the equivalent to a first-semester-college course in algebra-based physics. The course covers Newtonian mechanics (including two-dimensions); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Students will be prepared to take the AP Physics 1 exam. Students must take the AP exam for course credit.	

AP Physics 2	Duration: One Year
UC/CSU Approved: Pending (Area D - Laboratory Science); NCAA: Yes	Type of Course: Elective Honors Course
Pre-Requisite: Successful completion of AP Physics 1 with a B- or better or regular Physics with an A or better.	Year Level: 11, 12
Description: This course is the equivalent to a second-semester college course in algebra-based physics course which explores topics such as fluids Thermodynamics, electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Students will be prepared to take the AP Physics 2 exam. Students must take the AP exam for course credit.	

Environmental Science	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Elective Course
Pre-Requisite: Must have completed any level of Chemistry with a C- or better.	Year Level: 11, 12
<p>Description: This course is a multidisciplinary science. This course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. An interdisciplinary field, environmental science incorporates elements of geology, biology, physics, environmental studies, chemistry, economics, and geography, in both breadth and level of detail. In this class, students will apply knowledge from the basic sciences and mathematics to practical global problems and search for viable solutions to environmental problems.</p>	

SOCIAL SCIENCES DEPARTMENT

The Jesuit Social Studies/History Department believes that the study of this diverse discipline is an essential component of the school's mission to educate "men for others." The exploration of culture, history, geography, economics, politics and human thought creates a deeper understanding of and appreciation for the world and sensitivity to its people. The Social Studies Department places particular emphasis on promoting the school's mission by focusing on historical and modern issues of social justice.

In the process of educating, it is the goal of the department to develop a core set of fundamental skills, the most important of which are critical reading, writing and thinking. In lower division classes, students learn skills such as efficient note taking, close reading, and proper study strategies. Upper division courses stress research, composition, and oral presentation skills.

Please Note: All Seniors must enroll in Civics and/or Economics to fulfill graduation requirements.

Modern World History 1 (previously Global Studies)	Duration: Two Semesters
UC/CSU Approved: Yes (Area A - History/Social Science); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: N/A	Year Level: 9
Description: This course is designed for ninth grade students and will focus on major turning points that shaped the modern world. The time period being addressed will range from the fourteenth century up to the world wars. Students will trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues, especially as they pertain to international relations. The international topics of this time period will be analyzed in their historical, geographic, political, economic, and cultural contexts. Multiple accounts of events will be considered in order to understand a variety of perspectives, with an ever-present emphasis on the big picture.	

Western Cultures	Duration: One Semester
UC/CSU Approved: Yes (Area A - History/Social Science); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Successful completion of Modern World History	Year Level: 10
Description: This course is designed for tenth grade students and will focus on major turning points that shaped the modern world. The time period being addressed will range from the world wars up to present day. The international topics of this time period will be analyzed in their historical, geographic, political, economic, and cultural contexts. Multiple accounts of events will be considered in order to understand a variety of perspectives, with an ever-present emphasis on the big picture.	

United States History	Duration: One Year
UC/CSU Approved: Yes (Area A - History/Social Science); NCAA: Yes	Type of Course: Core Course
Pre-Requisite: Successful completion of Western Cultures	Year Level: 11
Description: Students will study the major turning points in American history in the 20th century. Following a review of the nation's beginnings and the impact of the Enlightenment on US democratic ideals, students build upon previous study of global industrialization to understand the emergency and impact of new technology and a corporate economy, including the social and cultural effects. An emphasis is placed on the expanding role of the federal government and federal courts as well as the continuing tension between the individual and the state. Students consider the major social problems of our time and trace their causes in historical events. Students understand that our rights under the US constitution are a precious inheritance that depends on an educated citizenry for their preservation and protection.	

AP United States History	Duration: One Year
UC/CSU Approved: Yes (Area A - History/Social Science); NCAA: Yes	Type of Course: Elective Core Course
Pre-Requisite: Successful completion of Global Studies with a A- or better; Western Cultures with a A- or better; and English 2 with a B+ or better or English 2XL with a B- or better	Year Level: 11
Description: This advanced placement course is a college level course designed for highly motivated juniors. Students enrolled in this class will need to master the content of United States history to succeed on the advanced placement test. Students write several document-based and free response essays to learn strategies for writing college quality essays. The AP test will be given in the middle of May, and students passing this test are given college credit at many universities and colleges. The pace of this class is accelerated, covering one or two chapters per week.	

Civics - American Government	Duration: One Semester
UC/CSU Approved: Yes (Area A - History/Social Science); NCAA: Yes	Type of Course: Elective Core Course
Pre-Requisite: Successful completion of US History or AP US History	Year Level: 12
Description: A study of the three main branches of the federal government (Executive, Judicial, and Legislative) and the place of individual citizens within the governmental framework. Special emphasis will be placed on problems facing the government, with in-depth study of selected Supreme Court decisions, the President's war powers, lobbying, the media, and political campaigns.	

Economics	Duration: One Semester
UC/CSU Approved: Yes (Area A - History/Social Science); NCAA: Yes	Type of Course: Elective Core Course
Pre-Requisite: Successful completion of US History or AP US History	Year Level: 12
Description: An introduction to the basic concepts of Economics, this course involves both theoretical and practical approaches to the ideas of scarcity and exchange. After a survey of the microeconomic principles of supply and demand, consumer choice, and efficient production, the class explores several contemporary economic issues, including business finance, the stock market, poverty and inequality, and the international economic system.	

AP Government	Duration: One Year
UC/CSU Approved: Yes (Area A - History/Social Science); NCAA: Yes	Type of Course: Elective Core Course- Fulfills Civics/Economics graduation requirement
Pre-Requisite: Successful completion of the following: B+ or better in Modern World History (Global Studies); B+ or better in Western Cultures; B+ or better in US History OR B- or better in AP US History; B+ or better in Algebra 1; B+ or better in Algebra 2; OR B- or better in Algebra 2H	Year Level: 12
Description: This two semester course focuses on the nature of the American political system, its development over the past 200 years and how it works today. Content areas include principles of our government, interpretation of original documents, political beliefs and behaviors, political parties and interest groups, national institutions and policy processes and law. Students will have the opportunity to actively participate in this class through individual and group discussion, presentations and research, with a special focus on current issues. One of the primary objectives of this course is to expose students to all areas of information covered on the AP examination.	

AP Economics	Duration: One Year
UC/CSU Approved: Yes (Area A - History/Social Science); NCAA: Yes	Type of Course: Elective Core Course- Fulfills Civics/Economics graduation requirement
Pre-Requisite: Successful completion of the following: B+ or better in Modern World History (Global Studies); B+ or better in Western Cultures; B+ or better in US History OR B- or better in AP US History; B+ or better in Algebra 1; B+ or better in Algebra 2; OR B- or better in Algebra 2(H)	Year Level: 12
Description: AP Microeconomics (during the fall semester) This course covers material that is usually taught in a one-semester undergraduate microeconomics course. Students receive an introduction to microeconomic analysis. This occurs when students examine the workings of supply and demand in the determination of price, resource allocation, and distribution. Students analyze different forms of markets as these affect economic efficiency and income distribution. Students should have the ability to submit regularly assigned homework using a home computer. Enrollment in the course presumes a commitment to taking the AP Microeconomics test in May. AP Macroeconomics (during the spring semester) This course covers material that is usually taught in a one-semester undergraduate macroeconomics course. Macroeconomics deals with principles that apply to a total economic system, particularly the general levels of output and income. It strongly emphasizes the determinants of aggregate demand and the monetary and fiscal policies used to achieve particular policy objectives. Students will understand concepts such as the multiplier, the accelerator, balance-of-payments equilibrium, inflation, and depreciation as well as institutional arrangements such as open-market operations, deficit spending, and exchange rates. Students should have the ability to submit regularly assigned homework using a home computer. Enrollment in the course presumes a commitment to taking the AP Macroeconomics test in May.	

The Holocaust	Duration: One Semester
UC/CSU Approved: Yes (Area A - History/Social Science); NCAA: Yes	Type of Course: Elective Core Course
Pre-Requisite: Successful completion of US History or AP US History	Year Level: 12
Description: This course will examine the events, culture(s) and individuals whose genesis resulted in one of the greatest crimes in recorded history. This course will enable students to examine and experience moral issues and dilemmas in historical and present day contexts as well as develop a more profound awareness of the circumstances under which social justice can be sacrificed in the name of ethnocentric nationalism.	

OTHER

Senior Christian Service	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Required Core Course
Pre-Requisite: None	Year Level: 9-12
<p>Description: Students are required to volunteer a minimum of fifty hours in the community at approved agencies with persons who are in some way “challenged” - developmentally, physically, academically or economically.</p> <p>Placements include schools, senior residential facilities, childcare facilities, programs for at-risk youth, agencies that assist the poor and homeless and programs that assist the physically and developmentally challenged. Rising seniors have the option to complete their service hours during the summer. Summer placements include local agencies, Camp Re-Creation and Muscular Dystrophy Camp, service immersions and independent studies.</p> <p>In addition to the fifty hour service commitment, seniors have class time. For 3rd period, this includes orientation at the beginning of the semester and weekly reflection groups. Required assignments include projects and a final synthesis essay.</p> <p>This description is designed to give some information about Senior Christian Service. If, after reading it, you have any questions, please contact Mrs. Kelly Barnes.</p> <p>OPTIONS:</p> <ul style="list-style-type: none"> I. School year service <ul style="list-style-type: none"> Sign-up for Christian Service during either fall or spring semester, 3rd period II. Summer school service <ul style="list-style-type: none"> A. four-week summer course, during the month of June B. service immersion - applications and interviews required C. Camp Re-Creation & Muscular Dystrophy Camp - applications and interviews required D. Independent Study - application and previous approval required for credit 	

Yearbook, 3rd	Duration: One Year
UC/CSU Approved: No; NCAA: No	Type of Course: Elective
Pre-Requisite: Application, interview and instructor permission- See Mr. Chandley	Year Level: 10-12
<p>Description: “The Cutlass”—named for a Marauder’s sword—is Jesuit High School’s yearbook, published annually and distributed free to all students and staff. Now in its 52nd volume, The Cutlass has grown into a top-notch digitally-designed publication, using the most cutting-edge graphic design software from Adobe. If you have an artistic eye, if you like photography or graphic design, or if you are a good writer who would like to become a part of chronicling our collective stories, then come join one of the most fun and rewarding activities on campus. Acceptance is by application only; we want guys who are smart, hard-working, good-humored, ambitious, and team-oriented. Applications are available through Mr. Chandley, in GP 201 and CH 104.</p>	

Yearbook, 7th/8th	Duration: One Year
UC/CSU Approved: No; NCAA: No	Type of Course: Activity
Pre-Requisite: Application and Instructor permission-See Mr. Chandley	Year Level: 9-12
<p>Description: This co-curricular course is an adjunct to 3rd period yearbook and is intended for either high-level editors already in 3rd period or talented students who, because of scheduling conflicts, are unable to be in 3rd period. Like 3rd period, it is both very fun and very demanding, and it is also a “by-application-only” co-curricular and is therefore only for those who are willing to spend significant time as “freelance” staffers who complete assignments independently and on time. Such assignments typically include photography (like photographing athletic events), writing articles, and laying out pages using Adobe® software. Photographers, artists, writers, computer wizards, and graphic designers are all highly encouraged to apply. It is not simply a “club” or after-school activity and does not, in fact, meet every day after school; though after-school and weekend hours are sometimes required. Rather, 8th/9th period staffers are required to check in with the Adviser and/or Editor-in-Chief at least once a week (usually Monday at lunch in the yearbook room) to obtain assignments and deadlines. Those who sign up for 8th or 9th period yearbook without turning in the requisite application (available from the adviser) will be withdrawn. You must see Mr. Chandley for information regarding applications for this course. Students must complete an application and be admitted as part of the staff to be officially enrolled and earn a grade.</p>	

NEWSPAPER, 5th Period	Duration: One Year
UC/CSU Approved: No; NCAA: No	Type of Course: Elective
Pre-Requisite: Instructor permission only - See Mr. Luppino	Year Level: 9-12
<p>Description: Newspaper is a two semester course, which has as its goal to produce six to eight issues of The Plank. Students will learn about all facets of publishing a newspaper; however, they may choose to be involved in a specific area, including photography, writing, editing, and layout and design. To earn a grade, students are required to submit articles for each issue, even if their piece is not selected for the final copy. This class is best taken as a two-semester course, but it may be taken for one semester. You must see Mr. Luppino for information regarding applications for this course. Students must complete an application to be admitted.</p>	

NEWSPAPER, 7/8th Period	Duration: One Year
UC/CSU Approved: No; NCAA: No	Type of Course: Activity
Pre-Requisite: Instructor permission only - See Mr. Luppino	Year Level: 9-12
<p>Description: This co-curricular course is an adjunct to the class that meets during the normal school day and is intended for talented students who, because of scheduling conflicts, are unable to be in that class. Although it doesn't meet during the normal school day, this class, too, is application-only. Students who take 7th/8th period should be willing to spend significant time as “freelance” staffers who complete assignments independently and on time. Students who take the 7th/8th period class are required to meet with the Adviser and/or Editor-in-Chief at least once a week (usually on Friday at break) to obtain assignments and deadlines. Students must complete an application and be admitted as part of the staff to be officially enrolled and earn a grade.</p>	

These classes are offered for enrichment only; therefore they will receive no credit and will operate on a pass/fail basis. These classes cannot be used for UC a-g course selections; nor can they be used for NCAA eligibility.

ENRICHMENT COURSES

Enrichment courses are designed for students to take a course for enjoyment without the stress and anxiety of homework or tests! These classes are not required ... just an opportunity! If you have any questions regarding enrichment courses, please see your counselor. **It is our intent to offer every course listed; however some enrichment courses may not be offered subject to enrollment and staffing.**

Jazz Appreciation	Duration: One semester
UC/CSU Approved: No; NCAA: No	Type of Course: Enrichment - no credit
Description: This course is designed for students playing any instrument for at least one year. The course will concentrate on elements of Jazz including history, improvisation and ensemble playing. Students will be encouraged to learn and participate in a non-pressured atmosphere. (Please note that this enrichment elective does not satisfy a student's VPA requirement.)	

History of Baseball	Duration: One semester
UC/CSU Approved: No; NCAA: No	Type of Course: Enrichment - no credit
Description: Explore the history of baseball in America. The course will explore the origins of the game, fundamental rules of the game and baseball's impact and relevance in American history (industrialization, racial integration, labor laws, etc.). (Please note that this enrichment elective does not satisfy a student's Social Sciences requirement.)	

Campus Ministry Core Leadership	Duration: One semester
UC/CSU Approved: No; NCAA: No	Type of Course: Enrichment - no credit
Description: Campus Ministry Core Leadership will participate in the hands-on running of the new Phelan Family Chapel of the North American Martyrs. Students will have leadership roles in optional school liturgies and prayer services in the new chapel, as well as the "behind the scenes" work that will make our chapel a great place to pray. If you've wanted to be more involved or have ideas about how prayer at Jesuit High School could be enhanced, this is the enrichment course for you. All are welcome, please join us! (Please note that this enrichment elective does not satisfy a student's Theology requirement.)	

Athletic Administration	Duration: 1 ST semester only
UC/CSU Approved: No; NCAA: No	Type of Course: Enrichment - no credit
Description: This enrichment course will focus on the administration aspects of athletics. Topics may include: sales and marketing, in-game promotions (fan experience), coaching fundamentals/philosophy development, sports journalism, video productions/editing, graphic design.	

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CyberSecurity	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Enrichment - no credit
Pre-Requisite:	Year Level: 10-12
Description: This enrichment class introduces basic topics on cybersecurity. Students have the opportunity to form teams to participate in the nationwide CyberPatriot competition. Learning activities include concept mastery competitions and case studies with presentation. Students can take either Section A in Fall Semester or Spring Semester. Students may also continue in the Spring Semester with Section B. This course can serve as a discovery class to develop interest in AP Computer Science courses.	

Creative Writing	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Enrichment - no credit
Pre-Requisite:	Year Level: 10-12
Description: Students will be exposed to a variety of short literature for discussion. Students have the opportunity to actively engage in the stages of the writing process as they produce original creative in response to the literature they encounter and engage in constructive criticism of each other through writing workshops. A goal of the course will also be editing and publication of "Moorings," the annual JHS literary and arts magazine. (Please note that this enrichment elective does not satisfy a student's English requirement.)	

Cooking and Baking 101	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Enrichment - no credit
Pre-Requisite:	Year Level: 10-12
Description: This course will provide students with hands-on experience in the kitchen and provide them with opportunities to cook and bake basic food items. For seniors, it creates an opportunity to learn some food survival skills before heading off to college. For other students, it's a good opportunity to learn some life skills.	

Mock Trial	Duration: 1 st Semester Only
UC/CSU Approved: No; NCAA: No	Type of Course: Enrichment - no credit
Pre-Requisite:	Year Level: 10-12
Description: Students are asked to memorize legal terminology, memorize affidavits, strategically design legal arguments, and to meet in small groups outside of the classroom. This would be first semester only.	

Podcasting	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Enrichment - no credit
Pre-Requisite:	Year Level: 10-12
Description: Who doesn't love a good story? In Podcasting students will write, voice-act and produce a serial story of Historical Fiction that will be made available for public downloading. Who were the Marauders of Jesuit High School mascot fame? What happened to the booty that they looted? What lost stories from the Gold Rush days and the River Pirates are "dying" to be told? Why did the Jesuits name the Marauder the school's mascot? What's the conspiracy theory? Students will tell these stories and more! (Please note that this enrichment elective does not satisfy a student's English requirement.)	

These classes are offered for enrichment only; therefore they will receive no credit and will operate on a pass/fail basis. These classes cannot be used for UC a-g course selections; nor can they be used for NCAA eligibility.

Weightlifting	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Enrichment - no credit
Description: This course is a general weightlifting class which would teach proper etiquette in the weight room. The class would also cover the proper technique in the 4 major types of lifting: upper body push, lower body push, upper body pull, lower body pull/hip hinge.	

Olympic Style Weightlifting	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Enrichment - no credit
Description: This course will cover the proper technique and etiquette in regarding to Olympic lifting style weightlifting. It is a lift that has become more popular because they are lifts that work the whole body and are really good for power and explosiveness. It is also a type of lift that is incorporated into athletic strength and conditioning programs, and collegiate sports programs.	