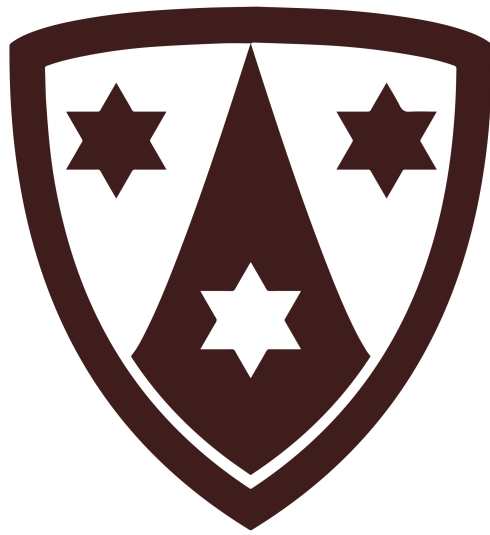


# Crespi Carmelite High School

*Carmelite Friars – College Preparatory  
Founded in 1959 by the Carmelite Friars*



## *Curriculum Guide* **2022-2023**

*“With zeal have I been zealous for the Lord God of Hosts”*

# MISSION STATEMENT

To build men of character and faith unified in brotherhood and formed through a contemporary, Catholic, college preparatory education in the Carmelite tradition of prayer, community, and service.

## VALUES

We, therefore, commit ourselves to the ministry of education governed by the following basic values:

- 1. Evangelization:** To teach and model the Good News as proclaimed by Jesus Christ as the fundamental mission of Crespi Carmelite High School and of every person who ministers within the Crespi Community. A lively sense of God's presence and sensitivity to the struggle to experience that presence will permeate the atmosphere of the school.
- 2. Academic Excellence:** To educate for skill and knowledge. The student will be challenged to develop a curiosity for the world in its complexities and values, scientific and mathematic proficiency, critical thinking and judgment, moral sensitivity, aesthetic appreciation, knowledge of Catholic faith and tradition, and an ability to express himself with confidence and skill.
- 3. Holism:** To address the whole person – spiritual, intellectual, moral, physical, social, aesthetical, and psychological – Christian education seeks to help each student to achieve his own highest potential as a human person destined for eternal life.
- 4. Character Development:** To help develop strong character and an awareness of inner strength and values. Our rich and diverse Judeo-Christian heritage affirms that human beings are moral persons responsible for their decisions in light of their unique nature and dignity. It teaches integrity and responsibility for the well-being of others and for all living creatures and their physical environment.
- 5. Collaboration:** To build community through shared ministry by Carmelites, faculty, staff, and parents working together for the growth of our students and sons. We seek to build a quality of support and shared responsibility in the administration of the school, and we believe in creating new structures which promote this collaborative style. This attitude includes making use of the gifts and talents of parents, alumni, and those in the larger community who feel drawn to our spirit. We affirm that the parents are the primary educators of their sons and that our teachers are the facilitators of learning.
- 6. Preparation for Life:** To recognize the needs and problems of modern times and prepare students to confront choices and issues that will affect their lives with Judeo-Christian values and sensitivity to ethnic and cultural diversity. We seek to develop a school community that is conscious of the deeper realities in human affairs, both those that offer hope and vision and those that threaten to destroy or ignore our multi-cultural society.
- 7. Justice and Peace:** To pass on to our students an awareness of God's enduring fidelity and presence amid a people in need of liberation, evangelization, and salvation. The gospel calls us to be for the poor, not only through the mediation of structures and bureaucracies, but fact-to-face, in a way that lends dignity to each person we encounter.
- 8. Family:** We are nourished by the sense of family that permeates the local Carmelite community, the school community, the families of the students, and the larger diocesan community. To grow as a family is to open ourselves to interdependence with others. To accept one another as we are, with our limitations, our differences, and our gifts, requires time, patience and tolerance.

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<sup>1</sup> Formulation of the 1983 General Chapter

# THE CRESPI MAN

## INTEGRAL STUDENT OUTCOMES

We expect the graduate of Crespi Carmelite High School, a.k.a. **The Crespi Man**, to be:

1. **Moral and Spiritual**
2. **A Lifelong Learner**
3. **Productive and Mature**

The first element, **a moral and spiritual person**, integrates the following:

- understands the Catholic Christian tradition as applied to personal formation and world events;
- is committed to living an ethical life as reflected through the holy Gospels;
- zealously pursues a relationship with God using prayer, reflection and study as modeled through the 800-year Carmelite tradition;
- recognizes and respects the personal gifts, diversity and dignity of all people.

The second element, **a lifelong learner**, integrates the following:

- uses logical, analytical, and creative thinking skills;
- uses appropriate, accurate, effective and creative language to express himself;
- uses current strategies and technologies to solve problems and extend his knowledge;
- applies his learning across the curriculum and real-life situations;
- engages intellectual curiosity.

The third element, **a productive and mature person**, integrates the following:

- strives to enhance and maintain physical, mental and emotional well-being;
- appreciates the arts and explores his individual creativity;
- accepts challenges in order to grow and takes responsibility for his actions;
- develops social skills to form life-long relationships;
- understands and participates in the democratic process;
- improves the community through his commitment to service and social justice.

# ACADEMIC POLICIES AND PROCEDURES

## REQUIREMENTS FOR GRADUATION

For the most recent graduation requirements, please refer to the Parent/Student Handbook.

## ACADEMIC INTEGRITY

In order to assist a student in reaching his own academic potential, the school expects that each member of our school community will foster an atmosphere, inside and outside the classroom, in which students demonstrate honesty and integrity. To be academically dishonest prohibits a student's ability to receive the maximum benefit from the academic program.

Academic integrity exists when a student does not participate nor intend to participate in obtaining credit for work that is not one's own. There is no distinction between giving or receiving unauthorized help. All work presented by a student should reflect his own effort and ability.

For a complete explanation of the consequences of violating Crespi's Academic Integrity expectations, please refer to the Parent/Student Handbook

## ADVANCED PLACEMENT COURSES

Students should refer to course descriptions for the requirements to be placed in an Advanced Placement class. In general, for Crespi students to qualify to take Advanced Placement courses, they must fulfill the following:

1. Receive a mark of A in both semesters of the preceding college-prep class in the subject area; or a mark of B or A in a preceding Honors or AP course.
2. Receive a recommendation from the teacher of the previous course in the subject area.
3. Students who do not meet criteria #1 or #2 may appeal in writing to the Academic Department.

### AP Fees & Exams

Enrollment in each AP course requires an additional \$100 fee. Students are expected to participate in the AP Exam for each course in which they are enrolled. The tests take place during the month of May. Test results are mailed by the College Board to students and schools in mid-July.

## ACADEMIC ELIGIBILITY

A student's eligibility to participate in extra-curricular activities will be determined by his record of behavior and a grade point average of 2.0 or better. If a student's GPA falls below a 2.0 (C) average at the Quarter, he will automatically be placed on probation for the Second Quarter. A student on probation must bring up his GPA to at least a 2.0 to be eligible. Failure to do this will result in academic ineligibility.

### D and F Marks

If a student receives three F marks in one semester or one year, the student is ineligible to continue at Crespi for the next semester or academic year until these marks have been remediated.

The University of California and California State University admissions policies do not accept D marks on a student's transcript. We advise that all D's be remediated in Summer School. In addition, due to the vertically-aligned nature of most high school courses, we strongly recommend that any student who receives a D enroll in Summer School to better acquaint himself with this basic and essential knowledge before moving on to more difficult classes.

### Summer School

Students who receive a D or F in the regular school year may make it up during the summer only at an approved accredited high school or an approved accredited credit-granting institution. In order to attend a Summer School program other than Crespi Carmelite High School's summer program, approval must be received in writing from the Vice Principal of Academics prior to beginning the program.

### Summer School Marks

CIF allows a student to improve his previous semester GPA by remediating deficient grades. For athletic eligibility purposes, Summer School marks can replace those of D or F received during the previous school year. However, the cumulative Crespi GPA will reflect the marks of all courses taken by the student while at Crespi Carmelite High School.

**ENGLISH DEPARTMENT – UC (b)**  
**REQUIREMENT FOR GRADUATION: EIGHT (8) SEMESTERS**

**1100 GRAMMAR/COMPOSITION 1 - Required**

(Meets UC and Cal State University Requirements)

Ninth Grade

2 Semesters

This course includes Latin and Greek vocabulary roots, mythology, poetry, classical literature, 200-500 word essays, anthology term paper, novels, short stories, and drama (Shakespeare).

**1110 HONORS GRAMMAR/COMPOSITION 1 - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Ninth Grade

2 Semesters

This course covers a comparable range of material as English 1 at a higher and more intense level. The units will include classic and world literature, some important modern novels, 500-word essays, grammar, vocabulary, a formal research paper, short stories, drama (Shakespeare). The student will be focused on original, engaging, student-directed projects.

Prerequisite: Top 20% of the Entrance Exam or a high scoring essay on the Proficiency Exam.

**1200 GRAMMAR/COMPOSITION 2 - Required**

(Meets UC and Cal State University Requirements)

Tenth Grade

2 Semesters

This course includes grammar, vocabulary, classic and world literature, short stories, drama (Shakespeare), key modern novels, 500 to 700-word essays, and a formal research paper.

**1210 HONORS ENGLISH 2 - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Tenth Grade

2 Semesters

This course includes grammar, vocabulary, classic and world literature, short stories, drama (Shakespeare), key modern novels, 500 to 700-word essays, and a formal research paper, plus intense reading and writing assignments.

Prerequisite: Marks of A or B in Honors or Grammar/Composition 1 and Department Recommendation.

**1300 JUNIOR COMPOSITION/AMERICAN LITERATURE - Required**

(Meets UC and Cal State University Requirements)

Eleventh Grade

2 Semesters

This course includes survey of American literature and provides a solid background in expository writing and analytical devices, plus the writing of a formal term paper.

**1310 HONORS JUNIOR COMPOSITION – Fulfills requirement**

(Meets UC and Cal State University Requirements)

Eleventh Grade

2 Semesters

**1320 ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Eleventh Grade

2 Semesters

This course encompasses English 3 curriculum with the addition of special projects and more extensive and intensive reading and writing assignments. Student is required to take the Advanced Placement exam required as part of his grade.

Prerequisite: Marks of A or B in Gram/Comp 2 or Honors English and Department Recommendation.

**1405 COMPOSITION/ENGLISH LITERATURE - Elective**

(Meets UC and Cal State English Requirements)

Twelfth Grade

2 Semesters

This course includes the survey of British literature and emphasis on 500 to 1000-word essays, a formal term paper, and individual projects.

**1500 ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION - Fulfills requirement**

(Meets UC and Cal State University English Requirements)

Twelfth Grade

2 Semesters

This course includes college level reading and writing and preparation for the required Advanced Placement exam. Student is required to take the AP exam as part of his final grade.

Prerequisite: Mark of A in Jr. Comp, or A or B in AP English Language and Department Recommendation.

**1410 WORLD LITERATURE - Elective**

(Meets UC and Cal State English Requirements)

Twelfth Grade

2 Semesters

This course surveys some of the masterpieces of world literature from the Old Testament and Homer to the present. It introduces students to the literature and ideas which have been important in the development of various cultural traditions, through reading, analysis, and writing about some of that literature.

**1420 SHAKESPEARE - Elective**

(Meets UC and Cal State English Requirements)

Twelfth Grade

1 Semester

Students will read Shakespeare's outstanding comedies, histories, and tragedies not covered in previous classes. Course work will involve discussions, group projects and critical writing. Movie productions will supplement readings.

**1460 CLASSICS OF THE SEA & SHIPS - Elective**

(Meets UC and Cal State English Requirements)

Twelfth Grade

1 Semester

Some of the greatest classics of all time are tales of seafaring adventure. In our class we will experience ancient and modern stories, novels, and poems about sea voyages and mariners. Some possible selections: Homer's *Odyssey*, Coleridge's *Rime of the Ancient Mariner*, Melville's *Moby Dick*, London's *The Sea Wolf*, Conrad's *Heart of Darkness*, and other exotic tales of the South Seas. Anchors Aweigh!

**1440 THE MODERN SHORT STORY - Elective**

(Meets UC and Cal State English Requirements)

Twelfth Grade

1 Semester

Students will read, discuss, analyze and interpret traditional and modern examples of the short story from a variety of cultures and traditions.

**1450 THE HERO'S JOURNEY - Elective**

(Meets UC and Cal State English *Elective* Requirements(g))

Twelfth Grade

1 Semester

Students will read Ancient, Classical, Medieval and Modern texts depicting the age-old myth of the hero's quest. Modern stories will be read with a view toward discovering how they retell the old legends for today's young men.

# WORLD LANGUAGE DEPARTMENT – UC (e)

## REQUIREMENT FOR GRADUATION: FOUR (4) SEMESTERS

### **3105 FRENCH 1 - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Ninth Grade

2 Semesters

This course introduces the language patterns of French in which the four basic language skills of speaking, comprehension, reading, and writing are presented at an elementary level. There is an emphasis on oral proficiency. Cultures of the French-speaking world will be examined.

### **3205 FRENCH 2 - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Tenth Grade

2 Semesters

This course continues instruction of the elementary French language patterns with an emphasis on oral proficiency. Additional cultural sections will be presented.

### **3207 HONORS SPANISH 2 - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Tenth Grade

2 Semesters

This course continues instruction of the elementary French language patterns with an emphasis on oral proficiency. Additional cultural sections will be presented but taught at a more accelerated pace.

Prerequisite: Mark of A in Spanish 1 and Department Recommendation.

### **3305 FRENCH 3 - Elective**

(Meets UC and Cal State University Requirements)

Eleventh Grade

2 Semesters

This course continues linguistic development of the French language and culture. Reading and writing skills receive more attention as students are introduced to more lengthy reading materials. Students demonstrate their comprehension both orally and by written word. Students are required to read one French literary work.

Prerequisite: Mark of C or better in French 2

### **3315 HONORS FRENCH 3 - Elective**

(Meets UC and Cal State University Requirements)

Eleventh Grade

2 Semesters

This course is an intermediate/advanced language course intended to build on and continue developing a student's knowledge of the language patterns acquired in French 1 and French 2, and the culture of the people who speak it. The class emphasizes the four language skills: reading, writing, listening and speaking, stressing the speaking skills. Emphasis is placed on reading and writing skills as the students begin to encounter lengthier reading materials and are required to demonstrate their comprehension of those materials. Students are required to read one French literary work.

Prerequisite: Mark of A in French 2, or a mark of B in Honors French 2, for both semesters or the recommendation of the French 2 instructor. Students follow regular course of study for French 3 and sign an Honors Contract outlining certain Requirements needed to receive Honors credit.



**3415 ADVANCED PLACEMENT FRENCH LANGUAGE - Elective**

(Meets UC and Cal State University Requirements)

Twelfth Grade

2 Semesters

Students enrolling in this course should have a good command of French grammar and vocabulary and have competence in listening, reading, speaking and writing. This course stresses interpersonal, interpretive, and presentational communication through the development of reading, writing, speaking, and listening skills. Extensive emphasis will be placed on the organization and writing of composition as well as appreciation for French culture.

Prerequisite: Mark of B or better in Honors French 3 or French 4 and Department Recommendation.

**3050 LATIN 1 - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Ninth Grade

2 Semesters

This course is designed to convey to the student the fundamentals of Latin grammar, syntax, and vocabulary. In addition, this course provides the student with an introduction to culture and history of Roman Republic and Empire.

**3060 LATIN 2 - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Tenth Grade

2 Semesters

This course is the continuing development of Latin fundamentals: grammar, syntax, and vocabulary. Translations from Roman history and literature increase reading skills, and the study of Roman culture continues.

Prerequisite: Mark of C or better in Latin 1.

**3065 HONORS LATIN 2 - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Tenth Grade

2 Semesters

Prerequisite: Mark of B or better in Latin 1 in both semesters.

**3070 LATIN 3 - Elective**

(Meets UC and Cal State University Requirements)

Eleventh Grade

2 Semesters

This course is devoted to reading and translating classics of Latin literature, using the works of Caesar, Cicero, Ovid, Sallust, and others. Ongoing grammar and vocabulary development with in-depth study of Roman history and culture.

Prerequisite: Mark of C or better in Latin 2.

**3075 HONORS LATIN 3 - Elective**

(Meets UC and Cal State University Requirements)

Tenth or Eleventh Grade

2 Semesters

Prerequisite: Mark of B or better in Latin 2 in both semesters.

**3085 ADVANCED PLACEMENT LATIN - Elective**

(Meets UC and Cal State University Requirements)

Twelfth Grade

2 Semesters

This two-semester course covers Latin selections of Vergil's Aeneid in the first semester and Caesar's Gallic Wars in the second. The grammatical structures, vocabulary, and political, cultural and social context of each work will be thoroughly examined. This course involves daily readings of un-adapted Latin texts and as a result, students must have learned all the forms for Latin nouns, verbs, adjectives and pronouns and must have the ability to both translate at sight and do prepared translations of Latin texts.

Prerequisites: Latin III and Department Recommendation.

**3100 SPANISH 1 - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Ninth Grade

2 Semesters

This course introduces the language patterns of Spanish in which the four basic language skills of speaking, comprehension, reading, and writing are presented at an elementary level. There is an emphasis on oral proficiency. Cultures of the Spanish speaking world will be examined with an emphasis on the cultures of South America and Mexico.

**3200 SPANISH 2 - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Tenth Grade

2 Semesters

This course continues instruction of the elementary Spanish language patterns with an emphasis on oral proficiency. Additional cultural sections will be presented.

**3210 HONORS SPANISH 2 - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Tenth Grade

2 Semesters

This course continues instruction of the elementary Spanish language patterns with an emphasis on oral proficiency. Additional cultural sections will be presented but taught at a more accelerated pace.

Prerequisite: Mark of A in Spanish 1 and Department Recommendation.

**3300 SPANISH 3 - Elective**

(Meets UC and Cal State University Requirements)

Eleventh Grade

2 Semesters

This course will introduce intermediate level grammar with an emphasis placed on vocabulary and oral communication. Literary works are incorporated into the curriculum.

Prerequisite: Mark of C or better in Spanish 2.

**3310 HONORS SPANISH 3 - Elective**

(Meets UC and Cal State University Requirements)

Eleventh Grade

2 Semesters

This course will introduce intermediate level grammar with an emphasis placed on vocabulary and oral communication. Literary works are incorporated into the curriculum but taught at a more accelerated pace with more in-depth grammar and vocabulary being introduced.

Prerequisite: Mark of A in Spanish 2, or mark of B or better in Honors Spanish 2, with recommendation of instructor.

**3400 ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE - Elective**

(Meets UC and Cal State University Requirements)

Eleventh or Twelfth Grade

2 Semesters

Designed to complete a study of the advanced grammatical structures, emphasizes oral and comprehension proficiency and includes instruction on essay. Student is required to take the AP exam as part of his grade.

Prerequisite: Mark of A or B in Honors Spanish 3, or recommendation of instructor.

# SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

## MATHEMATICS – UC (c) REQUIREMENT FOR GRADUATION: SIX (6) SEMESTERS

### **2100 ALGEBRA 1 - Required**

(Meets UC and Cal State University Requirements)

Ninth Grade

2 Semesters

This course is an algebra course with emphasis on factoring, graphing and solving equations.

Prerequisite: An incoming eighth grader may test out of Algebra 1 based on the Placement Exam.

### **2110 HONORS ALGEBRA 1 - Fulfills Requirement**

(Meets UC and Cal State University Requirements)

Ninth Grade

2 Semesters

This is an accelerated algebra course for students who have displayed high academic potential in mathematics. This course has an emphasis on factoring, graphing and solving problems.

Prerequisite: Top 15% of the Entrance Exam or a sufficient score on the Placement Exam.

### **2200 GEOMETRY - Required**

(Meets UC and Cal State University Requirements)

Ninth or Tenth Grade

2 Semesters

This course is designed to allow students to investigate the concepts of deductive and inductive logic and the analytical process of problem solving through group work, computer activity and class projects. Students are taught to develop clear, logical methods of thinking and proofs. Some of the key topics covered are: triangles, quadrilaterals, circles, and deductive proofs.

### **2210 HONORS GEOMETRY - Fulfills requirement**

(Meets UC and Cal State University Requirements) Ninth or Tenth Grade

2 Semesters

This course is designed to allow students to investigate the concepts of deductive and inductive logic and the analytical process of problem solving through group work, computer activity and class projects with higher expectations of proficiency. Honors Geometry students should be highly motivated and self-driven. Some of the key topics covered are: triangles, quadrilaterals, circles, and deductive proofs. Students are taught to develop clear, logical methods of thinking and proofs.

Prerequisite: A in Algebra 1; B or better in Honors Algebra 1; or through Placement Exam

### **2300 ALGEBRA 2 - Required**

(Meets UC and Cal State University Requirements)

Tenth or Eleventh Grade

2 Semesters

This course is an advanced algebra course covering quadratic, polynomial and other special functions as tools for modeling real-world situations.

Prerequisite: Geometry and Algebra 1

**2305 HONORS ALGEBRA 2 / TRIGONOMETRY - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Tenth or Eleventh Grade

2 Semesters

This course is an accelerated Algebra 2 course, covering advanced topics of algebra and a full course in functional trigonometry. The use of technology in problem Solving and applications is strongly emphasized.

Prerequisite: A or B in Honors Geometry or an A in Geometry and Department Recommendation based on Placement Exam.

**2410 CALCULUS -Elective**

(Meets UC and Cal State University Requirements)

Eleventh or Twelfth Grade

2 Semesters

This course delves into limits as they connect to the differentiation of algebraic and transcendental functions, the concept of derivatives and their connection to rates of change. It also covers differentiation to solve related rate and optimization problems and computing definite and indefinite integrals. This course will focus on real world applications of calculus across the curriculum from STEM to Business and Economics.

Prerequisites: A in Algebra 2 or Honors Algebra 2/Trigonometry; C or better in Honors Precalculus; and Department Recommendation.

**2405 PRECALCULUS - Elective**

Eleventh or Twelfth Grade

2 Semesters

The first semester of this course will explore analytical trigonometric topics. The second semester will include the study of advanced algebra topics such as: functional and graphical analysis, vector analysis, matrices, sequences, and conics Sections. This is the non-honors equivalent of Honors Precalculus and will not provide entrance into AP Calculus AB.

Prerequisite: C or better in Algebra 2 or Honors Algebra 2/Trigonometry

**2360 PROBLEM SOLVING STRATEGIES - Elective**

(Meets UC and Cal State University Requirements)

Eleventh or Twelfth Grade

2 Semesters

**2370 BUSINESS ACCOUNTING AND PERSONAL FINANCE - Elective**

(Meets UC and Cal State University Requirements)

Eleventh or Twelfth Grade

2 Semesters

The Financial Literacy Curriculum focuses on the individual student and the ways they use math in their daily lives. This course is designed for students who have successfully completed Algebra 2 and want to continue their study of mathematics in a class that is challenging and applicable to their everyday lives. The course will cover the stock market, business management, banking, credit, automobile ownership, employment, taxes, independent living, retirement and budgeting. Students will apply mathematics concepts that span from algebra, geometry and statistics. This course will encourage students to establish career goals that will provide adequate income and personal fulfillment, give them the skills they need to understand personal financial planning and money management skills and understand personal and societal consequences of financial decisions.

Prerequisite: C or better in Algebra 2 or Honors Algebra 2/Trigonometry

**2408 HONORS PRECALCULUS - Elective**

(Meets UC and Cal State University Requirements)

Eleventh or Twelfth Grade

2 Semesters

A challenging course of advanced topics: the study of advanced algebra, analytic trigonometry, conic sections, sequences and Series, and limits are covered in depth. The use of technology in problem solving and applications is strongly emphasized. This course provides entry to AP Calculus AB.

Prerequisite: B or higher in Honors Algebra 2/Trigonometry; or a mark of A in Algebra 2; and Department Recommendation.

**2412 ADVANCED PLACEMENT CALCULUS AB - Elective**

(Meets UC and Cal State University Requirements)

Eleventh or Twelfth Grade

2 Semesters

This course is a college level course only offered to our most proficient students who have demonstrated a higher level of proficiencies in mathematics. The course material is challenging, covering differential and integral calculus including inverse functions, slope fields, Solids of revolution, differential equations, and applications of derivatives and integrals. Taking the Advanced Placement exam is optional.

Prerequisite: B or higher in Honors Precalculus and Department Recommendation.

**2415 ADVANCED PLACEMENT CALCULUS BC - Elective**

(Meets UC and Cal State University Requirements)

Eleventh/Twelfth Grade

2 Semesters

This course is a very challenging course only offered to those students who have successfully completed the AP Calculus AB Course. In addition to AP Calculus AB topics, this course includes more advanced topics such as polar coordinates, differential equations, vectors, and sequences and Series. Taking the Advanced Placement exam is optional. A score of 3 or higher on the AP Calculus AB exam is recommended.

Prerequisite: A mark of C or better in AP Calculus AB and Department Recommendation.

**2350 STATISTICS - Fulfills requirement**

(Meets UC and Cal State University Math *Elective* Requirements – (g))

Eleventh or Twelfth Grade

2 Semesters

This course in statistics is the science of conducting studies to collect, organize, analyze, and interpret data. We will study the theory behind the following: measures of center and variation; confidence intervals; regression and correlation; and hypothesis testing with z-scores. We will also study combinatorics and its relationship with probability. These topics will be applied to real world data and situations. Due to the nature of the course, the student must be willing to put in extended amounts of time into the work because we will be dealing with large amounts of data. They must also have Microsoft Excel or Numbers for Apple operating systems. The course requires a high level of study skills and a perseverance to understand the concepts covered.

Prerequisite: Mark of B or higher in Algebra 2.

**2360 ADVANCED PLACEMENT STATISTICS - Fulfills requirement**

(Meets UC and Cal State University Math Requirements)

Eleventh or Twelfth Grade

2 Semesters

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

**TECHNOLOGY & ENGINEERING  
REQUIREMENT FOR GRADUATION: ONE (1) YEAR**

**2125 PLTW COMPUTER SCIENCE ESSENTIALS – Required**

(Meets UC and Cal State University Requirements (d))

Ninth Grade

2 Semesters

With emphasis on computational thinking and collaboration, this year-long course provides an excellent entry point for students to begin or continue the Project Lead the Way (PLTW) Computer Science PreK-12 experience. Computer Science Essentials will expose students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence.

In Computer Science Essentials, students will use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python to create apps and develop websites, and learn how to make computers work together to put their design into practice. They'll apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them.

Computer Science Essentials helps students create a strong foundation to advance to Computer Science Principles, Computer Science A, and beyond.

**4150 ENGINEERING DESIGN - Elective**

Ninth, Tenth, Eleventh or Twelfth Grade

1 Semester

This course is for any student interested in possible college majors or careers in STEM. This is a heavily project-based course that emphasizes hands-on activities and teamwork while building technical and communication skills needed for future success in high school STEM courses. Students will use the engineering design process while being introduced to 3D design and printing, microcontrollers, hardware design, and software programming while utilizing mathematics and science.

**7200 JAVA PROGRAMMING – Elective**

(Meets UC and Cal State University Requirements – (g))

Tenth, Eleventh, or Twelfth Grade

1 Semester

This course focuses on programming concepts using Java as a programming language and also serves as preparation for AP Computer Science A. Students will learn how to write console programs and manipulate existing graphical user interface (GUI) programs. The class will consist of seven units, each unit focusing on primitive data types, classes, objects, inheritance, control, algorithm design, program design and analysis. The purpose of the class is to expose students to computer science at a higher level than drag and drop programming and to prepare them for further study.

Prerequisite: Mark of C or better in Exploring Computer Science PLTW Computer Science Essentials.

**7310 WEB PROGRAMMING & DESIGN - Elective**

(Meets UC and Cal State University Requirements – (g))

1 Semester

The purpose of this course is to introduce students to the world of web design, exploring the historically changing trends in the fields of design for the web. Through design projects for the web, students will develop problem solving, critical thinking, and detail-oriented skills. Students will be introduced to computer programming, website creation, and website design. Students will learn and use programming techniques in HTML, CSS, and JavaScript to create a website. This course is offered so that students may be more aware of and competent in the skills needed for a career in the growing fields of STEM and web programming/design, in addition to providing and extending technology opportunities to enhance learning at all levels.

Prerequisite: Mark of C or better in Exploring Computer Science PLTW Computer Science Essentials.



### **7315 PLTW CYBERSECURITY**

(Meets UC and Cal State University Requirements)

Tenth, Eleventh or Twelfth Grade

2 Semesters

Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely.

Prerequisite: Mark of C or better in Exploring Computer Science PLTW Computer Science Essentials.

### **2380 ADVANCED PLACEMENT COMPUTER SCIENCE A - Elective**

(Meets UC and Cal State University Math Requirements (c))

Eleventh or Twelfth Grade

2 Semesters

This course is for students who seek to abstract mathematical thinking to computers. Students should be familiar with functional notation, such as  $f(x) = x + 2$  and  $f(x) = g(h(x))$ . The course emphasizes programming methodology, procedural abstraction, and in-depth study of algorithms, primitive types, collections, classes and objects, inheritance and polymorphism, and good programming design practices. Instruction is project and test-based learning and includes preparation for the AP Computer Science A Exam. Students will be able to apply programming tools gained from the course to real-life examples and leave with an understanding of Java and the ability to adapt to any new programming language.

Prerequisite: Completion of Algebra 2 with an A **OR** Honors Algebra 2 with a B or higher **OR** Java Programming and Web Design with an A with department member recommendation.

### **4370 ROBOTICS – Elective**

(Meets UC and Cal State University Requirements (d))

Tenth, Eleventh, or Twelfth Grade

2 Semesters

This Robotics course is based on the VEX EDR curriculum provided by VEX Robotics, Inc., and is composed of thirteen main units and one optional unit. Students learn about engineering and engineering problem solving as they apply math and science concepts in the design and programming of robots. They will be given introductions to the VEX Robotics Design System and Autodesk Fusion 360 3D CAD software while learning key STEM principles through a process that captures the excitement and engagement of robotics competition. The curriculum is heavily focused on mechatronic principles augmented, where appropriate, with programming.

### **6740 STRUCTURAL ENGINEERING - Elective**

(Meets UC and Cal State University *Elective* Requirements (g))

Tenth, Eleventh, or Twelfth Grade

2 Semesters

This course explores the concepts and methods of structural engineering, with an intensive hands-on laboratory and workshop component. Topics include foundations, wall and floor-framing structures, load paths, trusses, bridges, towers, and earthquake engineering. Students will be expected to conceptualize, design, build, debug and correct a variety of projects, working independently or in collaboration with other students. Throughout the entire course, students will research both successes and failures in structural engineering throughout history. They will investigate why these structures were successful or why they failed and present their findings to the class. They will keep all these investigations in a journal so that they can reference them as they work on their own designs.

Prerequisite: Geometry is required. Physics, Algebra 2, and World of Architecture 1 are recommended for prerequisites or concurrent enrollment.



**SCIENCE – UC (d)**  
**REQUIREMENT FOR GRADUATION: SIX (6) SEMESTERS + ONE (1) SEMESTER OF HEALTH**

**4200 BIOLOGY - Required**

(Meets UC and Cal State University Requirements)

Ninth Grade

2 Semesters

This course is the study of all living things. Understanding of life and life processes depend on mastery of unifying principles and concepts applicable to life at all levels of organizations. Emphasis is on the fundamental unity of the diversity of life forms and major life processes. Inquiry based labs that include the use of research, collaboration, problem solving, technologies, and experimental techniques are an integral part of this course.

**4220 HONORS BIOLOGY - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Ninth Grade

2 Semesters

This course is the study of all living things. Understanding life and life processes depend on mastery of unifying principles and concepts applicable to life at all levels of organizations. Emphasis is on the fundamental unity in the diversity of life forms and major life processes. This course demands more from students and the subject material pace is accelerated. Inquiry based labs that include the use of research, collaboration, problem solving, technologies, and experimental techniques are an integral part of this course.

Prerequisite: Top 20% of the Entrance Exam or a sufficient on the Proficiency Exam.

**4520 ADVANCED PLACEMENT BIOLOGY - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Eleventh and Twelfth Grade

2 Semesters

This course provides an opportunity for students to accelerate their study of biology to an introductory college level and to prepare for the required Advanced Placement examination in Biology, administered in May. It is organized into four Big Ideas: Evolution, Information, Energy, and System. Students will be required to read several chapters a week, participate in class discussions, and review journal articles. Inquiry based labs that include the use of research, collaboration, problem solving, technologies, and experimental techniques are an integral part of this course. Assessment will be based on written examination, laboratory reports, classroom participation, and the independent research assignment.

Prerequisite: Mark of B or better in Honors Biology or an A in Biology. Students must have completed Chemistry or AP Chemistry or be concurrently enrolled in a Chemistry course. Department Recommendation required.

**4300 CHEMISTRY - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Tenth, Eleventh, or Twelfth Grade

2 Semesters

Chemistry entails the study of matter, its properties, and how and why substances combine or separate to form other substances. This course is central for students wishing to pursue careers in science, medicine, engineering, physical education and psychology. It is a full year course where science, laboratory and mathematical skills will be challenged. Students study the fundamental terms and concepts of chemistry, with special emphasis on atomic structure, chemical bonding, energy relationships and the periodic table. Course development is strongly based on experiment, use of scientific concepts, collaboration, problem solving, critical thinking, use of technology and writing skills.

Prerequisite: Mark of C or better in Biology.

**4350 HONORS CHEMISTRY - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Tenth, Eleventh, or Twelfth Grade

2 Semesters

Chemistry entails the study of matter, its properties, and how and why substances combine or separate to form other substances. This course is central for students wishing to pursue careers in science, medicine, engineering, physical education and psychology. It is a full year course where science, laboratory and mathematical skills will be challenged. Students study the fundamental terms and concepts of chemistry, with special emphasis on atomic structure, chemical bonding, energy relationships and the periodic table. Course development is strongly based on experiment, use of scientific concepts, collaboration, problem solving, critical thinking, use of technology and writing skills. This course demands more from students and the subject material pace is accelerated.

Prerequisite: B or better in Honors Biology or A in Biology; and Department Recommendation.

**4315 BIOCHEMISTRY - Elective**

(UC and Cal State University Requirements)

Eleventh, or Twelfth Grade

2 Semesters

Biochemistry is the application of chemistry to the study of biological processes at the cellular and molecular level. The biochemist seeks to determine how specific molecules such as proteins, nucleic acids, lipids, vitamins and hormones function in such processes. Particular emphasis is placed on regulation of chemical reactions in living cells. Biochemistry has become the foundation for understanding all biological processes. It has provided explanations for the causes of many diseases in humans, animals and plants. It can frequently suggest Ways by which such diseases may be treated or cured. Assessment will be based on Written examination, laboratory reports, classroom participation, independent research assignment and Science projects.

Prerequisite: Successful completion of Honors Biology and Honors Chemistry with a grade of B or higher (or A's in both Biology and Chemistry).

**4325 ADVANCED PLACEMENT CHEMISTRY - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Eleventh or Twelfth Grade

2 Semesters

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. This course is structured around the six big ideas articulated in the AP Chemistry curriculum framework provided by the College Board. Students are assigned at least 1 hour of homework per class session. Throughout the year students will participate in laboratory investigations which emphasize and reinforce important topics that are covered throughout the course. Students will learn useful chemistry laboratory techniques, gain the ability to formulate experimental questions, design scientific experiments, effectively articulate scientific findings, conduct error and statistical analysis, and strengthen understanding of course material. Emphasis is placed on depth of understanding of a topic, rather than breadth of topics. Students should possess the ability to read and interpret what a question is asking and be able to produce well-structured, concise and supported responses in a timely manner. Course text is a college level textbook.

Prerequisite: B or better in Honors Chemistry or an A in Chemistry. A or B in Algebra 2. Students must have completed Biology or Honors Biology as well. Department Recommendation is required.

**4400 PHYSICS - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Eleventh or Twelfth Grade

2 Semesters

This course is strongly rooted in the concepts of physics and its mathematical applications. It covers basic principles of mechanics and dynamics (motion and forces), energy, electricity and magnetism, waves and optics, and modern physics including Einstein's Relativity. Students will learn by means of lab experiments, mathematical derivation and a Socratic dialogue in the classroom.

Course development is strongly based on experiment, use of scientific concepts, collaboration, problem solving, critical thinking, and use of technology.

Prerequisite: Must be at least concurrently enrolled in Algebra 2 or Honors Algebra 2/Trig.

**4425 ADVANCED PLACEMENT PHYSICS C: MECHANICS - Elective**

(Meets UC and Cal State University Requirements)

Eleventh or Twelfth Grade

2 Semesters

This course is for any student interested in possible college majors or careers in physical science or engineering. Students will learn about the following six content areas: kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation.

Prerequisite: Concurrent enrollment in Honors PreCalculus, AP Calculus AB or BC. Department Recommendation required.

**4428 ADVANCED PLACEMENT PHYSICS C: ELECTROMAGNETISM - Elective**

(Meets UC and Cal State University Requirements)

Eleventh or Twelfth Grade

2 Semesters

This course is for any student interested in possible college majors or careers in physical science or engineering. Students will learn about the following content areas: electrostatics, ac and dc circuits, and magnetism.

Prerequisite: Mark of C or better in AP Physics C:M. Concurrent enrollment in AP Calculus AB or BC. Science Department Recommendation required.

**4305 PHYSIOLOGY - Elective**

(Meets UC and Cal State University Requirements)

Eleventh or Twelfth Grade

2 Semesters

Physiology will enable students to develop an understanding of the relationships between the structures and functions of the human body. Students will learn various aspects of human systems such as the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, digestive, and reproductive systems. The course includes an analysis of structure, function, and chemistry of individual body systems.

Prerequisite: Successful completion of Biology.

**4600 ASTRONOMY - Elective**

(Meets UC and Cal State University Requirements)

Eleventh or Twelfth Grade

2 Semesters

This course will explore our place in the universe. The course will examine our home planet and the Moon; the Sun, planets, and solar system; the Milky Way Galaxy; stars and Stellar evolution; and, galaxies, and the large-scale structure of the universe. Students will be required to complete some astronomical observations.

Prerequisite: Successful completion of Geometry and Chemistry with a mark of C or better in both courses.

**4700 ZOOLOGY - Elective**

(Meets UC and Cal State University Requirements)

Eleventh or Twelfth Grade

2 Semesters

This course is focused on concepts of Zoology and wildlife ecology. It covers the ecological aspects and evolution of a variety of animal families. Strong emphasis on scientific approach with a project-based learning environment.

Prerequisite: Successful completion of Biology.

# PHYSICAL EDUCATION DEPARTMENT

## REQUIREMENT FOR GRADUATION: TWO (2) SEMESTERS

### **8101 PHYSICAL EDUCATION 1 - Elective**

Ninth Grade  
2 Semesters

Physical education emphasizes physical fitness, cardiovascular endurance, overall strength, and motor skills.

### **8300 INTRODUCTION TO STRENGTH AND CONDITIONING - Elective**

Ninth Grade  
2 Semesters

This course is for student-athletes in the freshman class. This introductory strength-training course teaches the basic skill sets and functional movements used in playing multiple sports and performance training. Some basic skill sets include hip hinging technique for lifting and squatting, proper acceleration, change of direction, and sprinting form; distinguishing between mobility and flexibility; and understanding the different Olympic lifting variations.

### **8301 APPLIED STRENGTH AND CONDITIONING - Elective**

Tenth, Eleventh, or Twelfth Grade (Ninth Grade with coach's recommendation and instructor approval)  
2 Semesters

This course is for student-athletes in the sophomore, junior, or senior class. This intermediate strength-training course continues to teach the basic skill sets and functional movements used in playing multiple sports and performance training. This course will work towards mastery of the basic skill sets and the ability to use them with more advanced exercise variations. When the class meets twice a week, students have the *option* to attend an extra training session either before or after school as necessitated by the rotating block schedule. Working in conjunction with the team coach, student-athletes enrolled in this course may be advised to participate in additional workouts with their team outside of school hours.

### **8403 ADVANCED STRENGTH AND CONDITIONING - Elective**

Tenth, Eleventh, or Twelfth Grade  
2 Semesters

The course is for student-athletes with significant experience in strength-training. This course is highly suited for the demands of high school football. Like the applied course, this strength-training course continues to teach the basic skill sets and functional movements used in playing multiple sports and performance training. This course will work towards mastery of the basic skill sets and the ability to use them with more advanced exercise variations. Working in conjunction with the team coach, student-athletes enrolled in this course may be advised to participate in additional workouts with their team outside of school hours.

### **8404 DYNAMIC STRENGTH AND CONDITIONING – Elective**

By Recommendation – Ninth, Tenth, Eleventh, or Twelfth Grade  
2 Semesters

This course focuses on lifts, stretches, and routines that can easily transfer to the basketball court and movements that occur during basketball games. Working in conjunction with the team coach, student-athletes enrolled in this course may be advised to participate in additional workouts with their team outside of school hours.

# SOCIAL STUDIES DEPARTMENT – UC (a)

## REQUIREMENT FOR GRADUATION: EIGHT (6) SEMESTERS

### **4000 CURRENT ISSUES IN SCIENCE - Elective**

(Meets UC and Cal State University *Elective* Requirements (g))

Twelfth Grade

2 Semesters

### **4500 PSYCHOLOGY - Elective**

(Meets UC and Cal State University *Elective* Requirements (g))

Twelfth Grade

2 Semesters

### **5625 THE COLD WAR - Elective**

(Meets UC and Cal State University *Elective* Requirements (g))

Twelfth Grade

1 Semester

### **5106 WORLD HISTORY / GEOGRAPHY – Required**

(Meets UC and Cal State University Requirements)

Tenth Grade

2 Semesters

World History is a one-year survey course offered to sophomores. The primary aim of this course is to provide students with a broad-based understanding of the progression of civilization from early man to modern times. Particular emphasis is placed on how geography, key events and ideas, and personalities have combined to shape the history of our world. Students will gain a greater understanding of the world they live in and will be able to compare current world concerns with concerns of other times. This course will devote considerable attention to Social Studies skills building in such areas as map reading and interpretation, verbal and written expression, analysis of charts, tables, and graphs, note taking, research, cooperative learning, and formation and expression of opinion.

### **5115 ADVANCED PLACEMENT WORLD HISTORY - Fulfills Requirement**

(Meets UC and Cal State University Requirements)

Tenth Grade

2 Semesters

World History AP is a rigorous course with the demands and requirements of a college level seminar. The timeline of the course extends from 8000 BCE to the present. The focus of the class is on the broad trends of cultures over time as well as their continuous interactions with one another. Students will study world history within the framework of five basic themes: Interaction between humans and the environment, development and interaction of cultures, state-building, creation, expansion and interaction of economic systems expansion, and conflict, as well as development and Transformation of Social Structures This course will enable students to develop a greater understanding of past foundations and traditions which have developed the modern global arena.

### **5215 ECONOMICS - Required**

(Meets UC and Cal State University Requirements)

Twelfth Grade

1 Semester (2<sup>nd</sup> Semester)

This one semester course provides an opportunity for students to develop a greater awareness of basic economic principles and their impact on local, national and world political, social and historical development. Through an examination of economic terms, theories, applications and trends, the student will gain an essential understanding of economic factors that will be a valuable foundation for further courses of study in the Social Studies Department. A student run business is created to give hands-on experience an application of business principles and economic philosophies.



**5220 ADVANCED PLACEMENT MACROECONOMICS - Elective**

(Meets UC and Cal State University Requirements)

Twelfth Grade

2 Semesters

This Advanced Placement Economics course is a two-semester course which will concentrate on macroeconomic principles. Central to the course is an understanding of free-market capitalism, its philosophy and institutions. The theories of the classical economists will be contrasted with those of the Keynesian economists, then applied to real economic situations. Another primary goal of the course is to prepare students to take the Advanced Placement Exam in the Spring in the area of macroeconomics. All sections of the exam reflect college programs in terms of subject matter and approach. The student will be expected to work with college level materials and readings in the subject area. Students enrolling in the course should be highly motivated, reasonably qualified, and able to conduct themselves in a mature manner.

**5300 AMERICAN HISTORY - Requirement**

(Meets UC and Cal State University Requirements)

Eleventh Grade

2 Semesters

The purpose of this course is to develop in each student an awareness, understanding, and appreciation for this nation's past. Students will study the major turning points and themes in American History. Students will consider the major social problems of our time and trace their causes in historical events. They will learn that the United States has served as a model for other nations and that the freedoms and rights that we enjoy are not accidents but the result of a set of political principles that are not basic to the peoples of other nations. Students will recognize that rights gained from the Constitution comprise a precious heritage that depends on an educated public for their preservation and protection.

**5310 ADVANCED PLACEMENT AMERICAN HISTORY - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Eleventh Grade

2 Semesters

This Advanced Placement American History course provides an opportunity for accelerated students to delve more deeply into understanding America's past while preparing for the AP Exam administered each Spring by the College Board. The course is designed to provide students with the skills and factual knowledge necessary to deal critically with problems and source materials in American History. The course prepares students for intermediate and advanced college courses by making demands on them equivalent to those made by introductory college courses. Students will learn to assess historical materials and their relevance to a given historical problem, the reliability of source material, and to weigh the evidence and multiple interpretations presented in historical evaluation. Students of AP American History will develop the skills necessary to arrive at conclusions on the basis of informed judgment and to present the reasons and evidence clearly and persuasively in essay format.

Prerequisite: World History.

**5400 AMERICAN GOVERNMENT - Required**

(Meets UC and Cal State University Requirements)

Twelfth Grade

1 Semester

This course is concerned with the origin, nature, and function of the American political system. The primary course objective is to give the student a clear understanding of American government in both theory and the practical process of policymaking so that he may participate as a responsible, well informed citizen in the political process. The values, philosophy and Constitutional underpinnings of American democracy will be stressed. Individual rights and liberties will be examined from their federal origins in the Bill of Rights and Supreme Court rulings and their significance on the local and personal level. Teenage rights and other questions germane to young people will be explored with the help of speakers from outside agencies. Current events will be stressed and tied to problems that confront contemporary American government. Solutions within a democratic framework will be investigated with the ultimate goal of maintaining human dignity and individual freedoms.

**5405 AMERICAN FOREIGN POLICY (The Vietnam War) - Elective**

(Meets UC and Cal State University *Elective* Requirements (g))

Twelfth Grade

1 Semester

This course is designed to present the origins, nature and impact of the Vietnam War. The purpose of the class is to give the student an understanding of America's involvement in Vietnam specifically and also in terms of the larger picture of American foreign policy after World War II. The personal experiences of those who participated in the war as well as those non-participants directly affected by the war, and the impact of the war on domestic America will also be a focus of attention. The course will be taught through student presentations, instructor handouts, videos, readings, use of internet.

**5500 ADVANCED PLACEMENT AMERICAN GOVERNMENT - Fulfills requirement**

(Meets UC and Cal State University Requirements)

Twelfth Grade

2 Semesters

This course is concerned with the nature of the American political system in theory and in practice. Designed to give the student a critical perspective on government and politics in America, the primary objective is to create a knowledgeable, aware citizen, prepared to constructively participate in the American political system, its traditions, values and framework, as well as the specific processes which produce public policy. Ever prominent is the role and responsibility of the individual in a democratic society. A vital specific goal of this class is to assist in preparation for the AP Exam given in May. Therefore, this course is presented on a college level, and the student must expect this to affect his workload. The course involves both the study of general concepts used to interpret American politics and the analysis of specific case studies in five major areas: constitutional underpinnings, institutions and policy processes, political parties and interest groups, political opinions and public participation in campaigns and elections, and civil rights and civil liberties.

Prerequisite: World History, American History.

**5800 BECOMING A MAN - Elective**

(Meets UC and Cal State University *Elective* Requirements (g))

Twelfth Grade

1 Semester

This course is designed to teach high school senior boys what it means to become mature, responsible men. It is a secular attempt to introduce teen boys to the spiritual journey of a male from birth to death. The course could be more broadly titled "Men's Studies." The primary goal of this class is to teach young men the responsibilities and joys of becoming a mature man in contrast to the failed model of men contemporary culture has forged and forced upon us. This is also an attempt to teach our boys how to become happy, successful, responsible contributors and leaders who avoid the societal pitfalls associated with the failure of men to take their proper roles in contemporary society. The course will focus, in the most general sense, on attempting to answer three questions: A) What is a mature man? B) How does one learn to become a man? and, C) What are the benefits of becoming a man? The course will be an excursion into stated topics and other questions raised using various resources. Speakers will be brought in from the school community and the general population to present insights into class themes as well as guest presentations from professionals in the fields of sociology, psychology, marriage and family counseling, and media analysis. In most dramatic terms the class is a modern initiation rite.

**5850 INTRODUCTION TO PHILOSOPHY - Elective**

(Meets UC and Cal State University *Elective* Requirements (g))

Twelfth Grade

1 Semester

This course is designed to introduce students to the nature of philosophy as a discipline and to address selected central metaphysical, epistemological, and ethical issues surrounding the question of human nature. The course emphasizes the historical context of thinkers and the development of inquiries within the Western philosophical tradition.

**5860 THE HISTORY OF HIP HOP MUSIC – Elective**

(Meets UC and Cal State University Requirements (a))

Twelfth Grade

1 Semester

This course seeks to balance the development and significance of Hip Hop music in its historical and social environment with maintaining a focus on the music as the main mode of understanding. Students will have a chance to be a Hip Hop critic as they study the chronological history of the music. Student will learn how slavery, civil war and systemic oppression early in African American history played a part in current Hip Hop music. Class assignments will be organized around lectures, small group discussions, in-class activities and homework. The course begins with an overview of Slavery, Civil War, and Harlem Renaissance from the beginning, then will discuss pioneers like Kool Herc, Grandmaster Flash and the early success of the DJ and Block Parties. We will continue the course to the crossover success of Hip Hop music acts that marked the true birth of today's biggest musical genre. Students will also study the musical and social trends of Hip Hop, including the effects of government cutbacks, inner city poverty, high unemployment rates and drugs, which the music and culture was born. The course will explore the live shows and first recorded music of the late 1970's & early 1980's and the changes in Hip Hop music and culture during the coming decades. This course will teach students how today's Hip Hop music and culture was directly affected by the past plight of African Americans.

**5900 LAW - Elective**

(Meets UC and Cal State University *Elective* Requirements (g))

Twelfth Grade

1 Semester

This course is designed to give students a basic knowledge of law that will be of practical use in their everyday lives. The course will provide practical advice and competency building activities to help students with the ability to analyze, evaluate, and resolve legal disputes and questions. Student involvement will be enhanced by use of problem solving, case studies, role playing, and mock trials.

**5410 ADVANCED PLACEMENT EUROPEAN HISTORY - Elective**

(Meets UC and Cal State University *Elective* Requirements – (g))

Twelfth Grade

2 Semesters

This course in addition to providing a basic narrative of events and movements, the primary goals of AP European History are to develop a) an understanding of some of the principal themes in Modern European History; b) an ability to analyze historical evidence; and c) an ability to analyze and express historical understanding in writing. The Advanced Placement program in European History corresponds to the most recent developments in history curricula at the college undergraduate level. A particular emphasis is placed on preparing the student for the AP Exam given in the Spring. All sections of the Exam reflect college programs in terms of subject matter and approach. Therefore, questions on intellectual-cultural, political-diplomatic and socioeconomic history form the basis for the Exam. Students are expected to demonstrate knowledge of basic chronology from approximately 1450 to the present. Because developing the course requires considerable experimentation and innovation, highly motivated and reasonably qualified students should be selected.

Prerequisite: Mark of B or better in previous social studies courses and Department Recommendation.

**5700 INTERNATIONAL STUDIES (Model United Nations) - Elective (Meets Zero "0" Period)**

Ninth, Tenth, Eleventh, or Twelfth

2 Semesters

Cost of Conferences: Varies

The International Studies program is offered in addition to the required four years of social studies. It is a full-credit course, adding an additional year of social studies credit to the student's transcript for each year of participation. It is designed to appeal to the student who wants to develop his awareness of contemporary world events, politics, history, and cultures of nations other than his own. The focus of the course is to prepare for successful participation in a Model United Nations conference. Students will be assigned a country to represent and will play the role of the delegate from that country. Each delegate will develop his research, writing and speech skills as he prepares for the conference. At the conference, he will negotiate with students from many parts of California. The primary goal of the interaction is the peaceful resolution of the issues before their assigned committee. Consideration should be given to the zero-period meeting time, which may vary, and the cost of each conference. Members are required to attend at least two, off-campus conferences.

Prerequisite: Academically sound student. Acceptance to the program by the instructor.

**5650 HONORS INTERNATIONAL RELATIONS - Elective (Meets Zero "0" Period)**

(Meets UC and Cal State University Requirements)

Twelfth Grade

2 Semesters

Cost of Conferences: Varies

This course is directed at those students that have a real interest in and awareness of global issues. It is important that the student has had at least one year of participation in the International Studies (Model United Nations) program during the junior year and has attended at least two Model United Nations conferences. This course is one full year (2 semesters) without exception.

Prerequisite: Social Studies elective open to Seniors who have successfully completed at least one full year (2 semesters) of International Studies (Model United Nations) during the previous year.

**6600 PUBLIC SPEAKING - Elective**

(Meets UC and Cal State University Social Studies *Elective* Requirements – (g))

Eleventh or Twelfth Grade

1 Semester

This course includes extensive practice in tactics and techniques for the preparation and presentation of various kinds of public speeches.

# THEOLOGY DEPARTMENT

## REQUIREMENT FOR GRADUATION: EIGHT (8) SEMESTERS

### **9103 INTRODUCTION TO THE BIBLE AND CATHOLIC TRADITION (FORMERLY, THE REVELATION OF JESUS CHRIST IN SCRIPTURE) - Required**

Ninth Grade

1 Semester (1<sup>st</sup> Semester)

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through the study of the Bible, students will encounter the living Word of God, Jesus Christ. Students will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. Students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally.

### **9104 LIFE OF CHRIST (FORMERLY, WHO IS JESUS CHRIST?) - Required**

Ninth grade

1 Semester (2<sup>nd</sup> Semester)

The purpose of this course is to introduce students to the mystery of Jesus Christ, the Living Word of God, the Second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, students will also learn who he calls us to be.

### **9222 GOSPEL OF SALVATION (FORMERLY, THE MISSION OF JESUS CHRIST (The Paschal Mystery)) - Required**

Tenth Grade

1 Semester (1<sup>st</sup> Semester)

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

### **9224 CHURCH IN THE MODERN WORLD (FORMERLY, JESUS CHRIST'S MISSION CONTINUES IN THE CHURCH) - Required**

Tenth Grade

1 Semester (2<sup>nd</sup> Semester)

The purpose of this course is to help students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This body has both divine and human elements. In this course students will learn not so much about events in the life of the Church, but about the sacred nature of the Church.

### **9304 MORALITY (FORMERLY, LIFE IN JESUS CHRIST) - Required**

(Meets UC and Cal State University Requirements)

Eleventh Grade

1 Semester (1<sup>st</sup> Semester)

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

### **9301 SOCIAL PROBLEMS AND JUSTICE - Required**

(Meets UC and Cal State University Requirements)

Eleventh Grade

1 Semester (2<sup>nd</sup> Semester)

The purpose of this course is to introduce students to the Church's social teaching. In this course, students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission.

**9400 COMPARATIVE RELIGION (FORMERLY, ECUMENICAL AND INTERRELIGIOUS ISSUES) – Required**

Twelfth Grade

1 Semester (1<sup>st</sup> Semester)

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

**9409 RESPONDING TO THE CALL - Required**

Twelfth Grade

1 Semester (2<sup>nd</sup> Semester)

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life. The course is to help students understand the vocations of life: How Christ calls us to live. In this course, students learn how all vocations are similar and how they differ. The course is structured around single life, married life, priestly life, and consecrated life. Students learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

## VISUAL AND PERFORMING ARTS – UC (f) REQUIREMENT FOR GRADUATION: TWO (2) SEMESTERS (SAME COURSE)

### **6000 DRAMA - Elective**

(Meets UC and Cal State University Requirements)

Eleventh or Twelfth Grade

2 Semesters

Fee: \$200 per year

Drama is an introduction to the theatre. Students become acquainted with the history of the theatre and various significant plays. Areas of technical production such as make up, lighting, costuming, and set design are studied. Class requirements also include limited performance work and a final project demonstrating skills and knowledge applied in this course.

### **6100 EXPLORING VISUAL ART - Elective**

(Meets UC and Cal State University Requirements)

Ninth, Tenth, Eleventh, or Twelfth Grade

2 Semesters

Fee: \$200 per year

In this course students will study all the elements and principles of art from a discipline-based perspective. They will study the language of art, learning to compare and contrast art movements and artists, distinguishing the various relationships of elements that make up the composition of a work of art. They will learn to analyze and criticize art by distinguishing the differences between what is fine art as compared to folk art and commercial art. Students will develop an understanding of the historical significance of great works of art by learning the influence culture and values of a society have on art, and how the art of a time period reflects those values. They will learn about the lives of artists of historical periods and how their art has influenced and inspired the artists of future periods. For each unit studied, students will create an art work of their own, using the various methods of drawing, painting, printmaking, sculpture and architecture. The class will include a field trip to the Los Angeles County Museum of Art.

### **6400 ADVANCED ART - Elective**

(Meets UC and Cal State University Requirements)

Eleventh or Twelfth grade

2 Semesters

Fee: \$200 per year

This course further investigates two-dimensional and three-dimensional media covered in Exploring Visual Art. Also, includes more in-depth critiquing and analyzing of class projects, masters art works, and movements in art history. Students will have completed a portfolio of art works demonstrating expertise in their chosen media and subject by the end of the course, a total of 20-25 works.

Prerequisite: Exploring Visual Art and approval by art instructor.

### **6550 ADVANCED PLACEMENT STUDIO ART - Elective**

(Meets UC and Cal State University Requirements)

Eleventh or Twelfth grade

2 Semesters

Fee: \$200 per year

This course is intended for highly motivated students who are seriously interested in the study of art. Students should be aware that the AP Studio Art work involves significantly more commitment and accomplishment than the Advanced Art course and is not for the casually interested. Portfolios will be prepared to meet the Requirement of the College Board for the AP Studio Art portfolio review. Students will need to work outside the classroom as well as within and beyond the scheduled class periods. A completion of 30 works of art will be submitted for the portfolio review. In addition, group and individual critiques, sketchbooks and journals are included in the course work. Work for the portfolio begins in the summer months prior to the beginning of school in August.

Prerequisite: Mark of "A" in Exploring Visual Art or Advanced Art for 2 semesters, and the approval of the art instructor.

**6505 FILM STUDIES - Elective**

(Meets UC and Cal State University Requirements)

Eleventh or Twelfth Grade

2 Semesters

This course explores the world of film from an introductory standpoint. From classics, like *Casablanca*, to current films, such as *Bowling for Columbine*, emphasis is placed on exposing students to films they have most likely not seen, while they examine genre, style, form, theme, and metaphor. The mirror that film as art holds up to society will be explored, as well. The course will provide an understanding of the working relationships between the elements of filmmaking; how, through a delicate balance of talent between the writer, producer, director, cast and casting, editor, and composer, a wonderful end-product can be achieved. Course requires bimonthly tests on films viewed, research papers, projects, and occasional homework.

**6707 MUSIC THEORY MUSICIANSHIP- Elective**

(Meets UC and Cal State University Requirements)

Ninth, Tenth, Eleventh, or Twelfth Grade

2 Semesters

Fee: \$200

This course teaches the student the beginning fundamentals of music theory and composition, including the knowledge required to navigate and compose a musical score in the most basic form. Some of the elements taught include major/minor keys, advanced scales, harmony, and chord structure. This course is ideal for students who have a background playing an instrument but would like to learn to write their own compositions.

Prerequisite: Ability to read music notation. Basic ability on any instrument.

**6710 MUSICAL EXPLORATION 1 - Elective**

(Meets UC and Cal State University Requirements)

Ninth, Tenth, Eleventh, or Twelfth Grade

2 Semesters

Fee: \$200

This course is designed to supply students with a full view of music through listening, analysis, arrangements, and performance. Students will be introduced to reading music and learning a new instrument on a basic level. Using an instrument of your choice, the class will cover rhythmic and harmonic music notation, with the goal of sight-reading music accurately in various keys.

**6715 BEGINNING TAIKO - Elective**

(Meets UC and Cal State University Requirements for Art or PE - not both)

Ninth, Tenth, Eleventh, or Twelfth Grade

2 Semesters

Fee: \$200

This course is designed to instruct the beginning student in the Japanese art form of *Taiko* Drumming. It is the first of three *Taiko* classes. *Taiko* drumming combines elements of martial arts, dance, and percussion. A heavy degree of physical endurance, mental focus, and flexibility are required to play the drums. Emphasis is placed on working hard to achieve as a team, seeking strength and personal growth in the face of difficult tasks, and attention to detailed physical form within the ensemble. Students will also learn the history of *Taiko* and its significance within the Japanese/American culture.



**6717 ADVANCED TAIKO DRUM ENSEMBLE - Elective**

(Meets UC & Cal State University Requirements)

Tenth, Eleventh, or Twelfth Grade

2 Semesters

Fee: \$200

This course provides advanced instruction in the Japanese art form of *Taiko* Drumming. Students who have completed "Beginning Taiko" will now learn to play each and every drum in the ensemble, with the goal of performing arrangements completely independent from the instructor.

Prerequisite: Teacher Recommendation and Completion of *Taiko Drum Ensemble 1* course with a grade of "B" or higher.

**6721 CELT TAIKO ENSEMBLE - Elective**

Eleventh or Twelfth Grade

2 Semesters

Fee: \$200

The Crespi Taiko Ensemble applies skills learned in previous taiko classes to the stage several times throughout the year. This class performs at the highest level that the taiko program has to offer. In order to achieve this goal, frequent availability for performances both during and after school hours is a requirement. The Ensemble will perform at Crespi events and headline our annual taiko recitals and concerts.

Prerequisite: Teacher Recommendation and completion of *Advanced Taiko Drum Ensemble* with a grade of "B" or higher.

**6730 WORLD OF ARCHITECTURE 1 - Elective**

(Meets UC and Cal State University Requirements)

Ninth, Tenth, Eleventh, or Twelfth Grade

2 Semesters

Fee: \$200

Students will learn how to create different types of architectural drawings including plans, elevations, and two-point perspectives using both traditional tools and computer technology. Students will also receive a basic understanding of the history of world architecture.

**7500 SCHOOL PUBLICATION (Yearbook) - Elective**

Ninth, Tenth, Eleventh, or Twelfth Grade

2 Semesters

This course covers every aspect of yearbook publication including the computer design of the cover and pages, placing photos on page layouts, and writing copy. Photography assignments outside of class may be required as well as fundraising.

Prerequisite: Approval of instructor

**7515 JOURNALISM/PHOTOJOURNALISM – Elective**

Eleventh or Twelfth Grade

2 Semesters

Fee: \$200

Photojournalism introduces students to the basic principles of photography and provides students with opportunities to apply photography skills to the practice of journalistic photography. The class will cover core concepts associated with traditional SLR and print photography, (composition, focus, exposure, etc.). Students will document school events, and their work will make a significant contribution to school publications, including the yearbook.

**7532 THEORY OF MEDIA ARTS - Elective**

(Meets UC and Cal State University Requirements)

Ninth, Tenth, Eleventh, or Twelfth Grade

2 Semesters

Fee: \$200 per year

This course is designed to give students a broad overview of the Entertainment Industry, Broadcast Journalism, and Newspaper Journalism. Students will learn to write, analyze, edit, and broadcast stories and short video productions. Some outside class and laboratory time will be required. This class is a prerequisite for Applied Media Art and Journalism.

**7534 APPLIED MEDIA ART - Elective**

(Meets UC and Cal State University Requirements)

Tenth, Eleventh, or Twelfth Grade

2 Semesters

Fee: \$200

This course is designed to give students who excelled in Theory of Media Arts more experience in interviewing, video editing, and broadcast operations, while learning leadership and supervision skills. Students will work with peers to organize and produce programming for the school in-house network, as well as different projects as needed for the school administration. A substantial amount of outside class time is required.

Prerequisite: Grade of A or B in Theory of Media Arts.