



**TOUCHING HEARTS, WINNING MINDS**

# **COURSE CATALOG**

## **2023 - 2024**

---

---

February 1, 2023

Cardinal Newman High School is excited to provide you with the 2023-24 Course Catalog. Here you will find the course offerings for the next academic year, as well as the planning tools and information needed to complete the course request process.

We invite you to carefully and thoughtfully consider the course offerings with your family before making your requests. This year the course request time period will begin in early February and last until early March. During this time school counselors will meet with each student individually to select courses. The course selection process is aided by clearly defined prerequisites and faculty recommendations. Counselors will record your requests using our Course Request Form and, upon parental approval, record these courses in Blackbaud for master schedule building. Once classes have been verified, the courses may not be changed unless you go through the proper process with verifications.

Students requesting AP or Honors courses must academically qualify and understand the rigors of the AP curriculum. All AP candidates must read the [AP Requirements](#) and complete the AP Contract which can be obtained from your school counselor or the AP Coordinator.

We pray that the courses will move you further toward your development of Body, Mind, & Soul.

With Many Blessings,

Nicholas Reynolds - Principal

Dr. Maryanne Berry - Director of Curriculum and Instruction

---

## TABLE OF CONTENTS

Graduation Requirements	4
Cardinal Newman Curricular Options 2023-24	5
Course Selection Process	6
Academic Departments - Objectives, Requirements, & Courses	7-50
1. ASC (Academic Support)	7
2. English	8
3. Human Performance	12
4. Mathematics	17
5. Modern and Classical Language	22
6. Science	29
7. Social Studies	35
8. College Preparatory Electives	41
9. Theology	42
10. Visual & Performing Arts	46

## Graduation Requirements

Cardinal Newman offers a curriculum that includes all courses necessary to fulfill the admission requirements of the University of California and California State University systems. Students can earn up to 280 credits to achieve graduation status. In most cases, five units of credit are granted for passing each semester class.

Subject	Years/Semesters	CNHS required Credits	UC/CSU required credits
English	4 years/8 semesters	40 credits	40 credits
Human Performance	1 Year/2 semesters	10 credits	
Math	3 Years/6 semesters Algebra & Geometry req	30 credits	30 credits Recommend 40 credits
Modern/Classic Language	2 Years/4 semesters	20 credits	20 credits Recommend 30-40 credits
Social Studies	3 Years/6 semesters (World, US, Gov/Econ)	30 credits	20 credits
Science	2 Years of college prep science including Biology, Chemistry, or Physics.	20 credits	20 credits of 1 Biological & 1 Physical Science  Recommend 30-40 credits
Theology *Christian Service project completion	4 Years/8 semesters Christian Service project concludes with a presentation and essay in May of Senior year	40 credits	
Visual & Performing Arts	1 year/2 semesters	10 credits	10 credits
Electives	4 years	Up to 80 credits for Graduation	10 or more credits
Students are also required to complete 25 hours of Christian Service each year. This is a graduation requirement and is tracked by the Christian Service Coordinator with X2Vol.			

## Cardinal Newman Curricular Options 2023-24

<b>Class</b>	<b>English</b> (4 years required)	<b>Math</b> (3 years required Including Algebra and Geometry)	<b>Social Studies</b> (3 years required)	<b>Science</b> (2 years lab required including Biology, Chemistry or Physics))	<b>Modern &amp; Classical Language</b> (2 years of the same language preferred)	<b>Theology</b> (4 years required: including completion of Christian Service Hours & CBSL project)	<b>Visual &amp; Performing Arts</b> (1 year required)	<b>Human Performance</b> (1 year requires)
<b>Frosh Year</b>	English 9 Accl English 9	Algebra 1 Geometry Algebra II H	Geography	Ag. Biology Biology	French 1 Spanish IA Span 1 Span 2	Catholicism Intro to Catholicism	Intro to Music Intro to Art Choir Mod Band Studio Art 1	PE 9 Dance I
<b>Soph Year</b>	English 10 English 10 Honors AP Seminar	Algebra 1 Algebra 2 Algebra 2 Honors Trig/Precalc Trig/Precalc Honors	World History World History Honors	Chemistry Chemistry and Agriscience Honors Chem Physics Engineering	French 1 French 2 Latin 2 Latin 3 or 3H Span 1B Span 1 Span 2 Span 2 Accl Span 3 or 3H	Introduction to Sacred Scripture and Church History	Mod Band Guitar Graphic Des Studio Art 1 Yearbook Choir Digital Media	Dance I, II, III Dance III Honors PE 10-12 Sports Broadcasting Strength & Conditioning
<b>Junior Year</b>	English 11 AP Language AP Seminar	Algebra 2 Algebra 2 Honors Trig/Precalc Trig/Precalc Honors Calculus AP Calculus AB AP Statistics	US History AP US History  Business Econ Psychology	Chemistry Chemistry & Agriscience Honors Chem Physics Adv Physics AP Physics 1 Astronomy Exercise Science Engineering AP Biology AP Environ Sci Wildfire Seminar	French 2 French 3 Latin 2 Latin 3 or 3H AP Latin Span 2 Span 2 Accl Span 3 or 3H Span 4 AP Spanish	Christian Morality and Catholic Social Teaching	Mod Band Guitar Graphic Des Studio Art 1 Studio Art 2 Yearbook Hon Yearbook AP Art Choir Digital Media	Dance I, II, III Dance III Honors PE 10-12 Sports Broadcasting Sociology of Sport Sports Psychology Strength & Conditioning
<b>Senior Year</b>	English 12 AP Literature AP Seminar AP Research	Algebra 2 Algebra 2 Honors Trig/Precalc Trig/Precalc Honors Adv Alg with Financial Appl Statistics Calculus AP Statistics AP Calculus AB AP Calculus BC	<i>2 semesters options:</i> 1- Govt/Econ 2- H Gov/ AP Macro Full Year AP Gov't & Politics  Business Econ Psychology Lifeskills Leadership	Chemistry Chemistry & Agriscience Honors Chem Physics Adv Physics AP Physics 1 Astronomy Exercise Science Engineering AP Biology AP Environ Sci Wildfire Seminar	French 3 French 4 AP French Latin 3 or 3H AP Latin Span 3 or 3H Span 4 AP Spanish	Christian Philanthropy and Vocations	Mod Band Guitar Graphic Des Studio Art 1 Studio Art 2 Yearbook Hon Yearbook AP Art Choir Digital Media	Dance I, II, III Dance III Honors PE 10-12 Sports Broadcasting Sociology of Sport Sports Psychology Strength & Conditioning

---

## Course Selection Process

Students will be provided up to date information on courses by the Counselors who will visit classes to present information and answer questions. This occurs in February. Students will have this Course Catalog to review. The Counselors will also make available a website that will include short videos describing new classes as well as Honors and AP courses.

Students will then make their course preference selections on our Grade Level Course Selection Form after meeting with their counselor. These forms will be due mid March after time is given to research and learn about future courses and plans. The Counselors will take this information and input it into Blackbaud after verifying with the students and reviewing whether they qualify.

If a course does not have the minimum number of students needed, it will not be offered and the students will be moved to their next priority choice.

---

## ACADEMIC SUPPORT CENTER (ASC)

### Academic Support Center Objectives:

Cardinal Newman's Academic Support Center supports the mission of the school to educate our students in the wholeness of mind, body, and spirit through the teachings of Jesus Christ as proclaimed by the Catholic Church. Our students learn to apply leadership skills and talents in service to others. We help each student to work to his or her highest potential in the lifelong pursuit of learning and excellence.

### Academic Support Center Graduation Requirements:

There are no graduation requirements tied to the Academic Support Center. It is the function of the center to help students to meet the requirements in other departments.

### Academic Support Center Courses:

#### **Study Skills=**

<b>Level:</b>	<b>Grade 9</b>	<b>Year</b>	<b>10 credits</b>
UC/CSU Approval:	No		
Prerequisite:	Students are placed by the Counselor, Admissions Committee and ASC		

#### **Description:**

This course is designed to help incoming freshmen students to sharpen their study habits in a variety of areas, including: listening; speaking; reading; writing; notetaking; studying for tests; critical thinking; time management; memorization techniques, and goal setting. Students, through the wholeness of body, mind, and spirit, have the opportunity to develop and strengthen good study habits and learning strategies through various instructional methods and strategies. Specific goals and objectives identified in the student's Student Learning Plans will be integrated throughout the course.

#### **Directed Studies**

<b>Level:</b>	<b>Grade 10-12</b>	<b>Year</b>	<b>10 credits</b>
UC/CSU Approval:	No		
Prerequisite:	Students are placed by the Counselors and/or ASC.		

#### **Description:**

This course is designed to help students to reach their potential in all classes with the necessary support from the center. Students may or may not have an SLP to be in the class. The students without an SLP will be admitted based on the criteria specified and the approval of their counselor and or the ASC. For those with an SLP, the Specific goals and objectives identified in the student's Student Learning Plans will be integrated throughout the course.

---

# ENGLISH DEPARTMENT

## English Department Objectives:

Cardinal Newman English courses are designed to enrich the spirit, challenge the intellect, and strengthen students' ties with their community. Literature is selected with the purpose of inciting deep and meaningful discussions about what it means to be a fully actualized, good, human being. Students are encouraged to develop empathy by putting themselves in the place of others from different cultures, times, and dimensions. Interpersonal skills are developed through listening closely, imagining others with an open heart, and responding with an open heart.

Cardinal Newman English courses support Saint John Henry's mission to hone students' critical thinking skills in preparation of reaching the highest levels of academic achievement needed to assume leadership roles in their communities. The English Department aspires to this call by offering rigorous and relevant instruction in language, composition, literature, research, presentation, and analysis of written, visual, and spoken texts.

Students move through a process of reading, reflecting, discussing, and writing to learn how to adopt an academic stance of taking a position and supporting it with evidence and reasoning. As students progress they work with increasingly complex and sophisticated texts. Student projects become increasingly student-directed over the four years.

## English Department Graduation Requirements:

Four years of English courses are required for graduation.

## English Department Courses:

### **English 9**

<b>Level:</b>	<b>Grade 9</b>	<b>Year</b>	<b>10 credits</b>
UC/CSU Approval:	Yes, Area B		

### **Description:**

English 9 provides a solid foundation in writing skills as well as an overview of literary analysis. Students will analyze and synthesize literary works, a variety of literary genres and grasp how authors construct works. Correct usage, grammar, sentence structure, intensive paragraph study, and library skills are presented in a developmental sequence to assure achievement. Formal and informal writing styles and procedures are combined in writing strategies. Students begin learning the documentation process in the Modern Language Association (MLA) style and gain proficiency in the multiple- paragraph essay.



---

### **Accelerated English 9**

<b>Level:</b>	<b>Grade 9</b>	<b>Year</b>	<b>10 credits</b>
UC/CSU Approval:	Yes, Area B		
Prerequisite:	HTSP scores in reading and language >= GE 9.0 and an A in English 8		

#### **Description:**

Accelerated English 9 is an integrated curriculum with challenging assignments aimed at preparing students for advanced work in the study of literature and language arts. The program introduces students to various literary genres that fosters student engagement in literary analysis, critical thinking, and inferential evaluation of a variety of full-length classic and contemporary texts. While critically reading fiction, poetry, drama, literary fiction and nonfiction, and informational texts, students master advanced reading comprehension and literary-analysis strategies. The more advanced points of grammar and usage are covered, as it is expected that students have a basic understanding of the rules that govern the language. Writing and reading assignments are of great frequency and sophistication requiring the student to provide in-depth analysis in both written and discussion formats.

### **English 10**

<b>Level:</b>	<b>Grade 10</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area B		
Prerequisite:	Completion of Pre AP English 1		

#### **Description:**

English 10 introduces students to works in world literature and examines the contributions of influential writers from ancient to modern times. Critical reading and thinking skills, as well as vocabulary study, continue to be emphasized. Students are expected to actively participate in class discussions and to read and analyze a number of texts that supplement the classroom curriculum. Instruction in note taking and paraphrasing from source material, together with renewed instruction in the Modern Language Association (MLA) method of documentation, continues.

### **Honors English 10**

<b>Level:</b>	<b>Grade 10</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area B		
Prerequisite:	A- in Accelerated English 9 or an A in Academic English 9		

#### **Description:**

Honors English 10 introduces students to works in world literature and examines the contributions of influential writers from ancient to modern times. Writing and reading assignments are of great frequency and sophistication requiring the student to provide in-depth analysis in both written, discussion, and presentation formats. A research paper is a requirement of this course. Students are expected to actively participate in class discussions and to read and analyze a number of texts. This course is designed for motivated, high-achieving students and is intended as an introductory course to AP English Language and AP English Literature.

---

## **AP Seminar**

<b>Level:</b>	<b>Grade 10-12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area B		

### **Description:**

AP Seminar is the first of the two courses that make up the AP Capstone program. In this yearlong course, students develop and strengthen analytic and inquiry skills, exploring two to four relevant issues chosen by the student in collaboration with the teacher. Using an inquiry framework, students practice reading and analyzing articles; research studies; literary, foundational and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. All students are required to take the AP test in May. This course meets the UC/CSU English (b) course requirement.

## **English 11**

<b>Level:</b>	<b>Grade 11</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area B		
Prerequisite:	Completion of English 10 or Honors English 10		

### **Description:**

This course includes the study of the major themes in American literature through the study of canonical and contemporary literature. Students will read and respond to short stories, essays, novels, memoirs, and poetry. The class focuses on improving student analytical and personal writing. The writing process is continually emphasized as well as the final product. Students will respond to the class texts in a variety of written genres and will routinely read their writing and listen to others. Students will study literary terms and vocabulary. This course meets the UC/CSU English (b) course requirement.

## **AP English Language & Composition**

<b>Level:</b>	<b>Grade 11</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area B		
Prerequisites:	Grade of an A- in Pre-AP English 2		

### **Description:**

This course includes a detailed look at the art of writing and rhetoric with a strong emphasis on non-fiction texts and American literature. The curricular focus is on building critical reading skills along with learning the processes of writing in a variety of forms--narrative, expository, analytic, research, reflective, and argumentative. Students will be expected to respond to a variety of texts by synthesizing source material and writing analytical essays with the goal of becoming a critical reader of all texts and writing effectively and confidently in college and beyond. Students should expect 1-3 hours of homework per class. All students are required to take the AP test in May. This course meets the UC/CSU English (b) course requirement.

---

## **English 12**

<b>Level:</b>	<b>Grade 12</b>	<b>Year</b>	<b>10 Credits</b>
---------------	-----------------	-------------	-------------------

UC/CSU Approval:	Yes, Area B
Prerequisite:	English 11 or equivalent

### **Description:**

This course includes the study of world authors through fiction, nonfiction, poetry, and drama with both semesters devoted to a critical study of the relationship between literature and society. Emphasizing the personal themes of self-discovery, growth, and responsibility, as well as themes related to Catholic social teaching, the course is an integral component of the Community Based Service Learning Project (CBSL). Students hone skills in analytical reading and writing, discussing, and researching. The school year culminates in the students' CBSL Project presentations in the spring. This course meets the UC/CSU English (b) course requirement.

## **AP English Literature & Composition**

<b>Level:</b>	<b>Grade 12</b>	<b>Year</b>	<b>10 Credits</b>
---------------	-----------------	-------------	-------------------

UC/CSU Approval:	Yes, Area B
Prerequisite:	Grade of an A- in AP Language or an A- in English 11.

### **Description:**

Senior AP English is a college-level seminar with three major goals: to study and hone the process of writing; to analyze literary works of international and historical merit; and to prepare for the National AP English Exam in May. Students will learn to critique their own writing and other students' through professional assessment, self-evaluation and peer response. The class requires a willingness to critically investigate the philosophical, psychological, socio-cultural, and aesthetic qualities of works of literature. All students are required to take the AP test in May. This course meets the UC/CSU English (b) course requirement.

## **AP Research**

<b>Level:</b>	<b>Grade 12</b>	<b>Year</b>	<b>10 Credits</b>
---------------	-----------------	-------------	-------------------

UC/CSU Approval:	Yes, Area G
Prerequisite:	Students must pass the AP Capstone Seminar Digital Portfolio and Exam

### **Description:**

AP Research is the second course in the AP Capstone™ program. AP Seminar is a prerequisite for AP Research. If you earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of your choosing, you will receive the AP Capstone Diploma™. This signifies outstanding academic achievement and attainment of college-level academic and research skills. AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research-based investigation to address a research question. The goal is to tie the research to the student's interests. All students are required to take the AP test in May. This course meets the UC/CSU College preparatory Elective (g) requirement.

---

# HUMAN PERFORMANCE DEPARTMENT

## Human Performance Department Objectives:

The Human Performance Department is dedicated to the development of the whole student: physical, mental, emotional, and spiritual. Programs within the department are interdisciplinary by nature and allow students to explore their sport and physical activity experience from a holistic perspective. Human Performance classes foster a positive learning environment that includes an appreciation of all cultures and respect for all persons. Coursework is designed to promote critical thinking, creativity, leadership, and academic honesty.

## Human Performance Department Graduation Requirements:

10 credits or 2 semesters. Participation in team sports can earn up to 10 credits. 2.5 credits per season of sport. Students can also apply for independent study beyond the normal class schedule.

## Human Performance Department Courses:

### **PE 9**

<b>Level:</b>	<b>Grade 9</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	No		

#### **Description:**

This course will cover a variety of aspects of human movement, including physical fitness and team and individual sports. Classes are designed so that students can practice and develop skills in activities that will help them maintain fitness throughout their life. Students will also be introduced to material from a variety of classes in our Human Performance Department, including Weight Training, Dance, Sport Psychology, Sociology of Sport and Exercise Physiology & Sports Medicine, and Health.

### **Dance I**

<b>Level:</b>	<b>Grade 9-12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area F		

#### **Description:**

Together we will explore the importance of physical fitness, artistic expression, and how to achieve personal goals. Students will develop a dance vocabulary and participate in various dance forms such as ballet, jazz, modern, hip-hop, and multi-cultural dance. Students will be guided through technical and creative exercises on how to interpret music, use expression, execute various styles of movement, interpret, critique, and build choreographic skills. Pilates and yoga stretching basics will be included. This course meets the UC/CSU Visual & Performing Arts (f) course requirement.

---

## **Dance II**

<b>Level:</b>	<b>Grade 10-12</b>	<b>Year</b>	<b>10 Credits</b>
---------------	--------------------	-------------	-------------------

UC/CSU Approval:	Yes, Area F
------------------	-------------

Prerequisite:	Dance I or previous dance training outside of school with instructor approval
---------------	---

### **Description:**

This course will continue to explore those aspects covered in Dance I, while also focusing on working as a team, performance techniques, and strong choreographic skills through improvisation, plus analyzing and critiquing professional work. Students are given more opportunities to choreograph, create ideas for the shows, and perform in extra school performances such as Arts Alive and So Show Me. This course meets the UC/CSU Visual & Performing Arts (f) course requirement.

## **Dance III**

<b>Level:</b>	<b>Grade 10-12</b>	<b>Year</b>	<b>10 Credits</b>
---------------	--------------------	-------------	-------------------

UC/CSU Approval:	Yes, Area F
------------------	-------------

Prerequisite:	Dance II or previous dance training outside of school with instructor approval
---------------	--

### **Description:**

This course is a continuation of Dance I and Dance II. Students in Dance III will demonstrate the ability to use perceptual and movement skills at a more advanced level in order to perform, use expression, and communicate meaning through dance. Students will further develop organizational and life skills through collaboration, constructing dances, and using improvisation based on experiences, emotions, concepts, and literature. Students will identify, analyze, and critique works to develop an understanding of dance aesthetics and the value of creative and critical thinking. Dance III will have the opportunity to participate in outreach performances, 2 full productions, master classes, and to observe professional work. This course meets the UC/CSU Visual & Performing Arts (f) course requirement.

## **Dance III Honors**

<b>Level:</b>	<b>Grade 10-12</b>	<b>Year</b>	<b>10 Credits</b>
---------------	--------------------	-------------	-------------------

UC/CSU Approval:	Yes, Area F
------------------	-------------

Prerequisite:	Dance II or previous dance training outside of school with instructor approval
---------------	--

### **Description:**

This course is a continuation of Dance I and Dance II. Students in Dance III Honors will demonstrate the same ability as in Dance III with the addition of designing and teaching dances to other students in the Dance program. This course meets the UC/CSU Visual & Performing Arts (f) course requirement.

---

## **PE 10 -12**

**Level:**                      **Grade 10-12**                      **Semester**                      **5 Credits**

UC/CSU Approval:        No

Prerequisite:                Successful completion of PE 9 or Dance I

### **Description:**

The primary goal of this course is to aid in the promotion of life-long physical fitness and activity. Students will be introduced to activities designed to increase their likelihood of exercising in the future. Students will also develop a better understanding of the physical, mental, emotional and spiritual benefits of regular physical activity.

## **Strength and Conditioning**

**Level:**                      **Grade 10-12**                      **Semester**                      **5 Credits**

UC/CSU Approval:        No

Prerequisite:                Successful completion of PE 9 or Dance 1

### **Description:**

The Strength and Conditioning class will be based on the CN Human Performance Curriculum with emphasis on developing Lifetime Fitness and specifically developing and improving health related and skill related performance. By the end of the course the students will be able to demonstrate a satisfactory level of knowledge, technique and competency in the following areas: General knowledge of Basic Anatomy, Physiology and Biomechanics, Nutrition, Calisthenics/Body Resistance Exercises, Running/Sprinting, Resistance Bands, Weight Training, Circuit Training, Plyometrics, Aerobics, Rowing, Jump Rope, Stretching/Yoga, Medicine Ball Training. By the end of the course, students will be able to demonstrate a satisfactory level of knowledge, technique and competency in the basic Weight Training Exercises. Students may also learn more intermediate/advanced techniques in the areas of Powerlifting (Squat/Bench/Deadlift) and Olympic Lifting (Snatch/Clean/Jerk).

## **Exercise Physiology and Sports Medicine**

**Level:**                      **Grade 11-12**                      **Year**                      **10 Credits**

UC/CSU Approval:        Yes, Area D

Prerequisite:                C or better in Biology and completion or concurrent enrollment in Algebra II

### **Description:**

This year-long course will introduce students to the anatomy and physiology of the human body and how the body's systems interact with each other through exercise. It begins with understanding the general structures of the systems of the body, from which function can then be analyzed. Topics from Sports Medicine will also be introduced and integrated into the curriculum. This course meets the UC/CSU Biology/Life Sciences Laboratory (d) course requirement.

---

## **Sociology of Sport**

**Level:**                      **Grade 11-12**                      **Semester**                      **5 Credits**

UC/CSU Approval:        Yes, Area G

### **Description:**

Sociology of Sport examines selected topics within the sociology and history of sport. Particular emphasis will be given to issues related to the potential of sport to benefit society and its potential to reinforce existing social problems. The course offers analysis of sport as a social institution and the interrelations between sport and societal subsystems, as well as a consideration of the attitudes, values and behaviors associated with sport. Analysis of contemporary problems associated with sport will be made, with ties made to their historic origins; such problems include race relations, the traditional and emergent role of women, aggression and violence, and political and economic concerns. Students will be encouraged to reflect on their own experiences within sport and as a culminating project explore an area of special interest within the history and sociology of sport. This course meets the UC/CSU College Preparatory Elective (g) course requirement.

## **Sport Psychology**

**Level:**                      **Grade 11-12**                      **Semester**                      **5 Credits**

UC/CSU Approval:        Yes, Area G

### **Description:**

This course includes the key psychological aspects of athletic success as well as investigating the universality of those precepts in achieving success in other fields. It provides a broad overview of the major topics in the field and explores various psychological theories and research related to sport and exercise. This course will guide high school students and student athletes in creating a balance of academics, family and sports as well as in building a strong knowledge base for choosing a potential college or career focus in the field. This course meets the UC/CSU College Preparatory Elective (g) course requirement.

## **Sports Broadcasting**

**Level:**                      **Grade 11-12**                      **Semester**                      **5 Credits**

UC/CSU: Pending

Prerequisite: Completion of PE 9 and possible interview

### **Description:**

This course is a professionally-oriented media course intended for students wanting to learn Broadcast Journalism. On-the-air experience, including announcing skills and production techniques, will be expected of students, as well as leadership with other Broadcast Journalism students. Evaluation is based on daily oral/written assignments, quality of story segments, and attention to process and deadlines. Students enrolled in this course will also be required to attend a number of after school sporting events.

---

## **Human Performance Independent Study**

**Level:**                      **Grade 9-12**                      **Semester**                      **5 Credits**

UC/CSU Approval:      No

### **Description:**

Human Performance Independent Study allows students to explore a topic of interest under direct supervision of a faculty advisor. The course may include applied work (i.e.-an internship, coaching a youth sports team, etc.), carrying out an independent research project, participation in sport/physical activity outside of the Cardinal Newman community or other activities deemed appropriate. Enrollment in this course is based on instructor and counselor approval.



---

## MATH DEPARTMENT

### Math Department Objectives:

The Cardinal Newman Math Department believes that all students are capable of learning rigorous mathematics and learning it well. Proficiency in mathematics is achieved through persistence, effort, and practice on the part of the student, rigorous and effective instruction on the part of the teacher, and support and encouragement on the part of both teachers and parents.

It is the intent of the Cardinal Newman Mathematics Department to provide a balanced, comprehensive mathematics program where students have an opportunity to expand upon the concepts learned in elementary school; become proficient in basic computational and procedural skills; and become adept at problem-solving, drawing upon grade-level appropriate skills and conceptual understanding. As students progress through the Cardinal Newman mathematics program, they will solve problems that will require increasingly more advanced knowledge and understanding of mathematics, will be increasingly complex, and will require increased use of inductive and deductive reasoning and proof. In addition, problems will increasingly require students to make connections among mathematical ideas.

### Math Department Graduation Requirements:

Three years of Math courses including Geometry and Algebra I are required for graduation. Four Years are recommended by UC.

### Math Department Courses:

#### **Algebra I**

<b>Level:</b>	<b>Grade 9-10</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area C		

#### **Description:**

The course presents the language and symbolism of Algebra and the properties of the real number system used in solving equations and inequalities. Students are introduced to functions, graphing, and problem-solving involving systems of equations. Operations with polynomials, rational expressions, and radicals are explored with an emphasis on problem-solving techniques. This course meets the UC/CSU Mathematics (c) course requirement.

---

## **Geometry**

<b>Level:</b>	<b>Grade 10</b>	<b>Year</b>	<b>10 Credits</b>
---------------	-----------------	-------------	-------------------

UC/CSU Approval:	Yes, Area C
------------------	-------------

Prerequisite:	<b>Class of 2026</b> = All freshmen will start in Geometry with the exception of those that test into Algebra II Honors. <b>Class of 2027</b> = Successful completion of Algebra or successful completion of math challenge test
---------------	--

### **Description:**

This course is designed for Freshmen entering Cardinal Newman High School. Deductive and inductive reasoning is developed using concepts of parallel lines, triangle relationships, and other geometric figures. Concepts of space geometry are integrated with plane geometry throughout the course. Algebraic skills are reviewed and strengthened through application in solving problems. The course includes: right triangle trigonometry, constructions, and loci, coordinate geometry, and transformations. This course meets the UC/CSU Mathematics (c) course requirement.

## **Algebra II**

<b>Level:</b>	<b>Grade 10-11</b>	<b>Year</b>	<b>10 Credits</b>
---------------	--------------------	-------------	-------------------

UC/CSU Approval:	Yes, Area C
------------------	-------------

Prerequisite:	Algebra I and Grade of C or better in Geometry
---------------	--

### **Description:**

This course includes graphing, solving, and applying systems of inequalities, linear equations, and quadratic and polynomial functions, powers, roots, radicals, exponential and logarithmic functions, quadratic relations and conic sections, the complex number system, polynomials of higher-order, logarithms, and other selected topics. Multiple problem-solving techniques are explored. This course meets the UC/CSU Mathematics (c) course requirement.

## **Algebra II Honors**

<b>Level:</b>	<b>Grade 9, 10, 11</b>	<b>Year</b>	<b>10 Credits</b>
---------------	------------------------	-------------	-------------------

UC/CSU Approval:	Yes, Area C
------------------	-------------

Prerequisite:	Grade 9 students must test out of Geometry to qualify. Grade of A- or better in their current math course.
---------------	--

### **Description:**

This course includes the real number system, equations and inequalities of the first and second degree, functions, the complex number system, conic sections, polynomials of higher-order, logarithms, and other selected topics. The course will emphasize problem-solving techniques, and more challenging word problems will be done on each topic. This course meets the UC/CSU Mathematics (c) course requirement.

---

### **Trigonometry - PreCalculus**

<b>Level:</b>	<b>Grade 10-12</b>	<b>Year</b>	<b>10 Credits</b>
---------------	--------------------	-------------	-------------------

UC/CSU Approval:	Yes, Area C
------------------	-------------

Prerequisite:	Grade of B or better in Algebra II and Geometry.
---------------	--

#### **Description:**

This course is a study of pre-calculus mathematics. The first semester stresses the language of functions with an emphasis on circular and trigonometric functions. Properties of algebraic, exponential, and logarithmic functions, conic sections, and an introduction to the concept of limits through sequences and series are covered in the second half of the course. This course meets the UC/CSU Mathematics (c) course requirement.

### **Trigonometry - PreCalculus Honors**

<b>Level:</b>	<b>Grade 10-12</b>	<b>Year</b>	<b>10 Credits</b>
---------------	--------------------	-------------	-------------------

UC/CSU Approval:	Yes, Area C
------------------	-------------

Prerequisite:	Grade of A- or better in Geometry and Algebra II (B in Algebra II Honors)
---------------	---

#### **Description:**

This course is an in-depth preparation for Calculus. It concentrates on elementary functions, especially trigonometric functions and their applications, limits of sequences, series, and functions with several units on derivatives and their applications. Analytic geometry is studied using a vector approach. Problem-solving techniques are emphasized and more challenging problems are explored. This course meets the UC/CSU Mathematics (c) course requirement.

### **Advanced Algebra with Financial Applications**

<b>Level:</b>	<b>Grade 12</b>	<b>Semester</b>	<b>5 Credits</b>
---------------	-----------------	-----------------	------------------

UC/CSU Approval:	Yes, Area C
------------------	-------------

Prerequisite:	Successful completion of Algebra II.
---------------	--------------------------------------

#### **Description:**

Advanced Algebra with Financial Applications is a mathematical modeling course that addresses college preparatory mathematics topics from Advanced Algebra, Geometry, Statistics, Probability, Precalculus, and Calculus under eleven financial umbrellas: Discretionary Expenses, Banking, Credit, Automobile Ownership, Employment, Income Taxes, Independent Living, The Stock Market, Modeling a Business, Retirement Planning, and Household Budgeting. The course allows students to experience the interrelatedness of mathematical topics, find patterns, make conjectures, and extrapolate from known situations to unknown situations. Students are taught to use a variety of problem-solving skills and strategies in real-world contexts, and to question outcomes using mathematical analysis and data to support their findings. This course meets the UC/CSU Mathematics (c) course requirement.

---

## **Statistics**

**Level:** **Grade 12** **Semester** **5 Credits**

UC/CSU Approval: Yes, Area C

Prerequisite: Successful completion of Algebra II.

### **Description:**

This course is intended to provide an introduction to the fundamental concepts and methods of statistics and probability. The course consists of an introduction to data exploration, sampling, experimentation, pattern anticipation, and statistical inference. Topical coverage includes basic data exploration, data modeling, correlation, regression, designing studies, probability, sampling distributions, estimating with confidence intervals, testing claims, comparing two groups, and chi-square analysis. This course meets the UC/CSU Mathematics (c) course requirement.

## **Calculus**

**Level:** **Grade 11, 12** **Year** **10 Credits**

UC/CSU Approval: Yes, Area C

Prerequisite: By Department selection. Students must have a thorough knowledge of college prep algebra, geometry, and trigonometry.

### **Description:**

This course includes review of analytical geometry, functions, formal differentiation, applications of the derivative, integration, applications of the definite integral, transcendental functions, methods and applications of integration, and elementary differential equations. This course meets the UC/CSU Mathematics (c) course requirement.

## **AP Calculus AB**

**Level:** **Grade 11, 12** **Year** **10 Credits**

UC/CSU Approval: Yes, Area C

Prerequisite: A- or better in Trigonometry-Pre Calculus Honors.

### **Description:**

This course is designed for the most advanced math student. The students must have a thorough knowledge of college preparatory algebra, geometry, trigonometry, and analytical geometry. Topics include: review of analytical geometry, functions, formal differentiation, applications of the derivative, integration, applications of the definite integral, transcendental functions, methods and applications of integration, and elementary differential equations. All students are required to take the AP test in May. This course meets the UC/CSU Mathematics (c) course requirement.

---

## **AP Calculus BC**

**Level:** **Grade 12** **Year** **10 Credits**

UC/CSU Approval: Yes, Area C

Prerequisite: Grade of B or better in AP Calculus AB

### **Description:**

This course covers a full year of college calculus (the calculus of functions of a single variable). Included are all of the topics covered in the AP Calculus BC exam. Emphasis is on conceptual understanding. Students will develop the ability to express, interpret, and relate functions graphically, numerically, analytically, and verbally, write and verbally communicate their mathematical results with justifications using correct notation and terminology. The graphing calculator can be used to solve a variety of problems and will recognize when a graphing calculator is necessary as well as when it is not the best approach. All students are required to take the AP test in May. This course meets the UC/CSU Mathematics (c) course requirement.

## **AP Statistics**

**Level:** **Grade 11, 12** **Year** **10 Credits**

UC/CSU Approval: Yes, Area C

Prerequisite: Grade of B or better in Algebra II.

### **Description:**

This course is intended to provide an introduction to the fundamental concepts and methods of statistics and probability. The course consists of an introduction to data exploration, sampling, experimentation, pattern anticipation, and statistical inference. Topical coverage includes basic data exploration, data modeling, correlation, regression, designing studies, probability, sampling distributions, estimating with confidence intervals, testing claims, comparing two groups, and chi-square analysis. The goal of this course is to assist students in developing statistical vocabulary and an understanding of statistical methodologies for the purpose of becoming better consumers and interpreters of statistical information. All students are required to take the AP test in May. This course meets the UC/CSU Mathematics (c) course requirement.

---

## MODERN & CLASSICAL LANGUAGE DEPARTMENT

### Modern & Classical Language Department Objectives:

Students, through the study of different cultures and languages, gain an appreciation of and respect for the individual. This includes their cultural, religious, and spiritual components as parts of the self. The study and learning of languages also increases our ability to connect and integrate with other communities, sharing the gospel message and mission of the Catholic church.

### Modern & Classical Language Department Graduation Requirements:

Two years of Language courses or equivalent to the second level, preferably in the same language are required for graduation. Three Years or third level in the same language are recommended by UC.

### Modern & Classical Language Courses:

#### **FRENCH**

##### **French 1**

<b>Level:</b>	<b>Grade 9</b>	<b>Year</b>	<b>10 Credits</b>
UC/ CSU Approval:	Yes, Area E		

##### **Description:**

This is an introductory course in French, during which students will learn to speak, read and understand a fundamental level of basic French. From being able to list and inquire about likes/dislikes, seasons, weather, time, food, order meals in French to being able to describe themselves, their surroundings and what their family is like, it is truly a rewarding year. Students will be watching short videos in authentic French, learning about Francophone (French-speaking) cultures such as geography, cuisine, music and how those values differ from one culture to another. Students will learn to speak conversationally in small groups, sing along to music, as well as read and write short paragraphs in novice French.

##### **French 2**

<b>Level:</b>	<b>Grade 9-10</b>	<b>Year</b>	<b>10 Credits</b>
UC/ CSU Approval:	Yes, Area E		
Prerequisite:	Completion of French 1 with a C- or better		

##### **Description:**

In this class students will build on grammar and vocabulary skills introduced in French 1. Students continue to further develop and improve listening, speaking, reading and writing skills in the target language using a variety of activities, incorporating familiar vocabulary and structures. Aspects of contemporary French and other Francophone cultures are introduced through the use of media, songs, games, adapted readings and other supplemental materials. Students are assessed using a variety of formats including oral conversations, presentations, culture projects, written assessments, short compositions and other means.

---

### **French 3**

**Level:** **Grade 9-11** **Year** **10 Credits**

UC/ CSU Approval: Pending, Area E

Prerequisite: Completion of French 2 with a C- or better

#### **Description:**

This course is an exploration of language and culture, using French as the vehicle for learning and communication. During class, students will continue to develop their communicative competence through culture, authentic readings, class discussions, and daily writing. The language is presented through literature, authentic audio, history, culture, and film. In this third year, students use a variety of tenses to interpret the language and express themselves. Students explore and compare the products, practices and perspectives of the French speaking world with one's own culture.

### **French 4**

**Level:** **Grade 10-12** **Year** **10 Credits**

UC/ CSU Approval: Pending, Area E

Prerequisite: Completion of French 3 with a B or better

#### **Description:**

This course reinforces the different skills/contents and linguistic tools learned in French 2 and French 3 including French language and Francophone communities using the four modes of expression: listening, speaking, writing, and reading. The main goal of this course is for students to develop receptive and productive skills that will allow them to communicate extensively in French and understand the language and its different perspectives through cultural experiences.

Students expand their learning using the different modes of communication at an advanced level through the use of learner-centered activities, analysis of authentic documents/texts such as songs, movies, magazines, or newspaper articles, the use of technology, and analysis of French literature. Students learn to create more complex sentences using different tenses and moods (present, past tense, subjunctive present/past, future, conditional) in planned paragraphs when speaking and writing, comprehend main ideas and details in authentic texts, and become more accurate in written and oral expression.

Students are engaged collaboratively and individually with written, verbal, listening, and reading tasks such as think-pair-share activities, small group works, reading activities, written assignments, conversations around cultural facts, and listening to authentic French media.

To prepare and assess students (grammatical/lexical accuracy and French/Francophone culture knowledge), reading/writing/listening and speaking assignments will be given regularly to students.

---

## **LATIN**

### **Latin II**

**Level:**                      **Grade 9-12**                      **Year**                      **10 Credits**

UC/CSU Approval:      Yes, Area E

Prerequisite:              C or better in Latin I or incoming placement exam results as well as teacher recommendation.

#### **Description:**

This course reviews the vocabulary and grammar learned in the first year. Students extend their knowledge and begin to read longer, more complex passages in Latin. Cultural background and Greco-Roman mythology are studied through research projects, videos and classroom discussion. This course meets the UC/CSU LOTE (e) course requirement.

### **Latin III Honors**

**Level:**                      **Grade 9-12**                      **Year**                      **10 Credits**

UC/CSU Approval:      Yes, Area E

Prerequisite:              B- or better in Latin II and or incoming placement exam results.

#### **Description:**

This course is designed for the superior Latin student who wishes to continue to refine his or her Latin reading ability and learn strategies for cultural interpretation of ancient texts. The Latin III Honors student will begin to study selected authors whose works are required reading for the AP Exam. It will also include poetry and prose from Cicero, Catullus, Ovid and Horace. This course meets the UC/CSU LOTE (e) course requirement.

### **AP Latin**

**Level:**                      **Grade 10-12**                      **Year**                      **10 Credits**

UC/CSU Approval:      Yes, Area E

Prerequisite:              B in Latin III Honors

#### **Description:**

The AP Latin course on Vergil and Caesar comprises a study of these two authors in their classic works, *The Aeneid* and *De Bello Gallico*. The syllabus requirements are in general conformity with college Latin studies in the fourth through sixth semesters. The basic objective is progress in reading, translating, understanding, analyzing, and interpreting Latin in the original. All students are required to take the AP test in May. This course meets the UC/CSU LOTE (e) course requirement.



---

## **SPANISH**

### **Spanish 1A**

**Level:** **Grade 9-10** **Year** **10 Credits**

UC/CSU Approval: Yes, Area E

**Description:**

This year-long course is the first half of a two-course sequence (Spanish 1A + Spanish 1B) that introduces the basic elements of the language (listening, speaking, reading and writing) in real-world contexts. Students will learn the foundations of the Spanish language and learn about different cultures in the Spanish-speaking world while acquiring the Spanish language through authentic real-world activities. Students must pass Spanish 1A to take Spanish 1B. (Completion of Spanish 1A and 1B is equivalent to Spanish 1.)

### **Spanish 1B**

**Level:** **Grade 10-11** **Year** **10 Credits**

UC/CSU Approval: Yes, Area E

Prerequisite: Successful completion of Spanish 1A.

**Description:**

This year-long course is the second half of a two-course sequence (Spanish 1A + Spanish 1B) that introduces the basic elements of the language (listening, speaking, reading, and writing) in real-world contexts. Students will continue to learn the foundations of the Spanish language and about different cultures in the Spanish-speaking world while acquiring the Spanish language through authentic real-world activities. Students must pass Spanish 1B in order to take Spanish II. (Completion of Spanish 1A and 1B is equivalent to Spanish 1.)

### **Spanish I**

**Level:** **Grade 9-11** **Year** **10 Credits**

UC/CSU Approval: Yes, Area E

**Description:**

This course includes the basic skills of reading, writing, listening, and speaking in the target language and an introduction to the culture of the Spanish-speaking world. Class sessions are interactive and communicative. Vocabulary is practical and taken from daily life. Grammar, conversation, and writing are emphasized as well as listening with a video program featuring people and places from the Spanish-speaking world. This course meets the UC/CSU LOTE (e) course requirement.

---

## **Spanish II**

<b>Level:</b>	<b>Grade 9-12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area E		
Prerequisite:	Completion of Spanish I with a grade of C or higher. Students receiving a C- are recommended to attend a summer Spanish II prep class. Students receiving a D (60%-69%) in Spanish I will be required to remediate his/her grade through successful completion of summer school before taking Spanish II. Grade 9: Proficiency level score of <i>Novice Mid</i> on the department challenge exam.		

### **Description:**

This course is the second half of the two-year basic language program. Vocabulary and communication are expanded to allow for greater accuracy of expression and new challenges such as speaking in varied tenses. Students are exposed to more colloquial expressions through authentic materials in Spanish. This course meets the UC/CSU LOTE (e) course requirement.

## **Accelerated Spanish II**

<b>Level:</b>	<b>Grade 9-12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area E		
Prerequisite:	Completion of Spanish I with a grade of B+ or higher. Rising Grade 9: Proficiency level score of <i>Novice High</i> on the department challenge exam.		

### **Description:**

This course is designed to challenge and motivate the stronger language student and to provide a deeper understanding of the Spanish language and cultures. It includes listening, speaking, reading, and writing. Classes are conducted primarily in Spanish to enhance listening skills and to facilitate conversation. The curriculum is regularly supplemented by the use of realia. Students will be exposed to literature in Spanish. This course meets the UC/CSU LOTE (e) course requirement.

---

### **Spanish III**

<b>Level:</b>	<b>Grade 9-12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area E		
Prerequisite:	Completion of Spanish II with a grade of B- or higher. Students receiving a C in Spanish II will be asked to complete a summer assignment to better prepare them for the rigor of Spanish III Rising Grade 9: Proficiency level score of <i>Intermediate Mid</i> on the department challenge exam		

#### **Description:**

This course includes moving towards a stronger proficiency in the four basic language skills and more creativity in conversation. Students begin to write essays and research papers and to narrate in all major tenses. This course meets the UC/CSU LOTE (e) course requirement.

### **Spanish III Honors**

<b>Level:</b>	<b>Grade 10-12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area E		
Prerequisite:	Completion of Accelerated Spanish II with a grade of B+ OR Completion of Spanish II with a grade of A and additional make-up work in summer that was not covered in Spanish II curriculum. Rising Grade 9: Proficiency level score of <i>Intermediate High</i> on the department challenge exam.		

#### **Description:**

This course includes the development and enrichment of a student's linguistic abilities to speak, read and write in standard and more colloquial Spanish at a fourth year level. The class will be taught primarily in Spanish. Students will explore Spanish literature and culture as well as the arts, providing opportunities to practice their listening, reading, writing and speaking skills in order to prepare them to take both Spanish IV AP and the AP Exam the following year. This course meets the UC/CSU LOTE (e) course requirement.

### **Spanish IV**

<b>Level:</b>	<b>Grade 10-12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area E		
Prerequisite:	Completion of Spanish III with a grade of B or higher or a grade of C+ or higher in Spanish III Honors		

#### **Description:**

This course will help students refine skills and be confident in their production and comprehension of the target language. This course includes some review of previous years of language instruction to facilitate a better adjustment of their language according to sociocultural norms. Students will also develop skills necessary for literary comparison and analysis. Upon successful completion of this course, students will be able to communicate, narrate, and use all time frames to describe, tell stories, explain, and compare. This course meets the UC/CSU LOTE (e) course requirement.

---

## **AP Spanish Language & Culture**

**Level:**

**Grade 10-12**

**Year**

**10 Credits**

UC/CSU Approval:

Yes, Area E

Prerequisite:

Completion of Spanish III Honors with a grade of A- or higher.

### **Description:**

The AP program is designed around the AP Spanish Language and Culture exam. In addition, students study literature, history, and popular culture throughout the vast Spanish-speaking world. All source materials are authentic. The AP Exam requires a high degree of oral and spoken proficiency. Only Spanish is spoken in the classroom. All students will take the AP Exam in the spring. All students are required to take the AP test in May. This course meets the UC/CSU LOTE (e) course requirement.

---

## SCIENCE DEPARTMENT

### Science Department Objectives:

The Science Department holds that its aim must be to support the acquisition of scientific knowledge and methods within the framework of the philosophy of Cardinal Newman High School, while encouraging them to develop into lifelong learners. Students are encouraged to ask questions and apply the scientific method, emphasizing the role of experimentation in acquiring knowledge about the physical world. Students develop cognitive skills, acquire a good background in the basic principles of science, and become informed of educational and occupational opportunities within the scientific fields of study. As students come to develop a deeper appreciation for the world around them, they also develop an awareness of current scientific problems facing our planet and consider potential solutions to these problems in light of Christian morality and Catholic social teaching. The Science Department forms students in an environment where mutual respect and an openness to new knowledge and opinions help them to understand the basic principle that change is the rule and not the exception

### Science Department Graduation Requirements:

2 Years of college prep science including Biology, Chemistry, or Physics. UC recommends 3 years, minimum of 2 years in Biology, Chemistry or Physics.

### Science Department Courses:

#### **Biology & Sustainable Agriculture**

<b>Level:</b>	Grade 9	Year	10 Credits
UC/CSU Approval:	Yes, Area D		

#### **Description:**

Agriculture Biology is a one year course designed to integrate biological science practices and knowledge into the practice of sustainable agriculture. The course is organized into four major sections, or units, each with a guiding question. Unit one addresses the question, What is sustainable agriculture? Unit two, How does sustainable agriculture fit into our environment? Unit three, What molecular biology principles guide sustainable agriculture? Unit four, How do we make decisions to maximize sustainable agricultural practices within a functioning ecosystem? Within each unit specific life science principles will be identified with agricultural principles and practices guiding the acquisition of this knowledge, culminating in the development of a sustainable farm model and portfolio of supporting student research. Each student will participate in a minimum of 2 FFA sponsored activities per semester as part of their grade. This course meets the UC/CSU Biology/Life Sciences Laboratory (d) course requirement.

---

## **Biology**

<b>Level:</b>	<b>Grade 9</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area D		

### **Description:**

This course is lab-oriented and designed to familiarize the student with basic the principles of life sciences, the chemistry of life, cell structure, and function, how organisms obtain and use energy, patterns of heredity and genetics, the continuity and development of life on Earth, how organisms adapt to their environment, and the diversity of life, basic life processes, and ecology. All students will participate in laboratory exercises. This course meets the UC/CSU Biology/Life Sciences Laboratory (d) course requirement.

## **Chemistry**

<b>Level:</b>	<b>Grade 10-12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area D		
Prerequisite:	Concurrent enrollment in Algebra II or completion of Algebra II with a grade of C or higher and a grade of C or higher in Biology.		

### **Description:**

This course includes the concept of the mole, atomic structure, compound formation, chemical equations and the basic behavior of matter. Quantitative aspects are presented through use of problems involving the gas laws, stoichiometry molarity, titrations, and equilibrium calculations. Topics include thermodynamics, kinetics, and radioactivity. Lecture, discussion and laboratory exercises are used. Students are expected to provide a scientific calculator for use during the course. This course meets the UC/CSU Physical Science Laboratory (d) course requirement.

## **Chemistry and Agriscience**

<b>Level:</b>	<b>Grade 10-12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area D		
Prerequisite:	Concurrent enrollment in Algebra I or completion of Algebra I with a grade of C or higher. Completion of Agricultural Biology or Biology with a C or higher. Biology students require teacher recommendation		

### **Description:**

This course explores the physical and chemical nature of soil as well as the relationships between soil, plants, animals and agricultural practices. Students will examine properties of soil and land and their connections to plant and animal production. Using knowledge of scientific protocols as well as course content, students will develop an Agriscience research program to be conducted throughout the first semester of the course. To complete that whole project each student will investigate and test an Agriscience research question by formulating a scientific question related to the course content, formulating a hypothesis based on related research, conducting an experiment to test the hypothesis, collecting quantitative data, and forming a conclusion based on analysis of the data. The result of this research program will be an in depth research and experimentation paper that is technically written, based on scientific protocol, and cited using APA formatting. Additionally, students will develop and present a capstone soil management plan for agricultural producers, using the content learned throughout the course. Throughout the course, students will be graded on participation in intracurricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program. This course meets the UC/CSU Physical Sciences Laboratory (d) course requirement.

---

## **Chemistry Honors**

**Level:**                      **Grade 10-12**                      **Year**                      **10 Credits**

UC/CSU Approval:      Yes, Area D

Prerequisite:              Concurrent enrollment in Algebra II or completion of Algebra II with a grade of B or better. Completion of Biology with a grade of B or better.

### **Description:**

The Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. The Chemistry Honors course will cover slightly more material than the general Chemistry class, and will more closely model the university-level of independent work with instructor support. This course meets the UC/CSU Physical Science Laboratory (d) course requirement.

## **Physics**

**Level:**                      **Grade 10**                      **Year**                      **10 Credits**

UC/CSU Approval:      Yes, Area D

Prerequisite:              Completion of Geometry with a grade of C or higher. Students enrolling in this course must also have completed Biology with a grade of C or better.

### **Description:**

This course will present the basic concepts of Physics with the main intent to prepare students for future courses in science and engineering. The methods used will be lecture, laboratory, and written reporting. The emphasis is on conceptual understanding, but the course shares goals with algebra of solving equations, interpreting graphs, and reasoning proportionately. The central theme will be the relationships between matter and energy expanded through the topics of Newtonian mechanics, waves (sound and light), electricity, and magnetism. This course meets the UC/CSU Physical Science laboratory (d) course requirement.

## **Accelerated Physics**

**Level:**                      **Grade 11-12**                      **Year**                      **10 Credits**

UC/CSU Approval:      Yes, Area D

Prerequisite:              Completion of Algebra 2 with a grade of C or higher. Students enrolling in this course must also have completed Chemistry or Honors Chemistry with a grade of C or better.

### **Description:**

The course of study is a comprehensive survey of Physics, exploring topics such as motion, waves, light, sound, electricity, and magnetism. Laboratory, demonstration, lecture and discussion will be used to provide students with a solid foundation as well as basic problem solving skills in physics. Both concepts and application of math skills are integrated with hands-on labs for understanding these topics. This course meets the UC/CSU Physical Sciences Laboratory (d) course requirement.

---

## **AP Physics 1**

<b>Level:</b>	<b>Grade 11-12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area D		
Prerequisite:	Concurrent enrollment in Trigonometry or completion of Trigonometry with a grade of B or higher. Completion of Chemistry with a grade of A or Honors Chemistry with a B or better.		

### **Description:**

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, and waves. Students will be required to take the AP Physics 1 exam in May. This course meets the UC/CSU Physical Sciences Laboratory (d) course requirement.

## **AP Biology**

<b>Level:</b>	<b>Grade 11-12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area D		
Prerequisite:	Completion of Chemistry with a grade of B or better is required. Students for this class will be selected by the Science Department based on a qualifying exam and overall academic performance.		

### **Description:**

This course includes the chemical and physical basis of life, cellular structure and function, metabolism and energy, molecular and Mendelian genetics, evolution, and ecology. Students will participate in required laboratory exercises. All students are required to take the AP test in May. This course meets the UC/CSU Biology/Life Sciences Laboratory (d) course requirement.

## **AP Environmental Science**

<b>Level:</b>	<b>Grade 11-12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area D		
Prerequisite:	Successful completion of Algebra II and Biology and either Chemistry/Physics with a grade of B or better.		

### **Description:**

The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. All students are required to take the AP test in May. This course meets the UC/CSU Biology/Life Sciences laboratory (d) course requirement.



---

## **Exercise Physiology & Sports Medicine**

**Level:** **Grade 10-12** **Year** **10 Credits**

UC/CSU Approval: Yes, Area D

Prerequisite: Completion of Biology with a C or better

### **Description:**

This course includes the anatomy and physiology of the human body and how the systems interact with each other through exercise. It begins with understanding the general structures of the systems of the body, from which function can then be analyzed. The course will also address training and fitness programs, dietary programs and performance-enhancing drugs. Multiple laboratory activities are included to further aid in the learning process. The course meets the UC/CSU Biology/Life Science Laboratory (d) course requirement.

## **Engineering**

**Level:** **Grade 10-12** **Year** **10 Credits**

UC/CSU Approval: Yes, Area D

Prerequisite: Successful completion of Biology

### **Description:**

The purpose of Engineering is to provide students with knowledge of the Engineering process. It will require organized problem solving and creative thinking. The emphasis of the class will be on the student's ability to apply science and engineering practices to design problems. They will learn about real-life engineering and apply this throughout the class. During the completion of the units, the students will work on projects that will use elements of the design process, including defining the problem, establishing criteria and constraints, computations, prototype building, testing prototypes, and making design changes and suggestions based on the testing. The course will be broken down into design challenges where the students will get a problem and then have to come up with a design to solve the problem, build the prototype of their solution, test their prototype, review their testing and make design changes and suggestions. The projects will culminate in a final project in which the students will apply engineering practices to a complex real-world problem identified by the students. This course is a UC/CSU science (d) course.

## **Astronomy of the Solar System**

**Level:** **Grade 11-12** **Year** **10 Credits**

UC/CSU Approval: Yes, Area G

Prerequisite: Completion of Chemistry OR Physics

### **Description:**

This course includes a descriptive introduction to the Solar System emphasizing the sun, moon, planets, asteroids, comets, and origin of the solar system. A description of the universe, concentrating on celestial bodies and phenomena beyond the Solar System. Topics will include electromagnetic radiation, observed properties of stars, variable and binary stars, stellar evolution, black holes, relativity, the interstellar medium, star clusters, the Milky Way and other galaxies, cosmology, and the possibility of other life forms in the universe. This course meets the UC/CSU College Preparatory Elective (g). You can receive Dual Credit for this course with Santa Rosa Junior College if you pass the final exam with a B or above.

---

## **Wildfire Seminar**

**Level:**                      **Grade 11-12**                      **Semester**                      **5 Credits**

UC/CSU Approval:      No

### **Description:**

The Wildfire Seminar will examine the issue of wildfires from a variety of angles, including the science of wildfires, public policy surrounding wildfires, and their impact on local communities. Students will gain an understanding of a wide spectrum of course material relating to wildfires and will choose a particular focus from within this spectrum in order to create a semester research paper, project, or presentation.

---

## SOCIAL STUDIES DEPARTMENT

### Social Studies Department Objectives:

The objective of the Social Studies Department is to provide a learning environment where students can develop to their fullest potential academically. In order to facilitate that growth, the Social Studies Department has developed a series of required courses. Courses in Social Studies provide the student with a background and appreciation for world events and other cultures. World History, US History, Government, Economics, and Geography, provide for an understanding and appreciation for their heritage and political and economic system.

By studying the world of those who went before us, we gain perspective on and empathy for our own world. We see better who we are, what we want, what is worth striving for and defending, and what is in need of change. We learn how to tell what is important; how to detect bias, weigh evidence, separate anecdotes from analysis, and distinguish between fact and conjecture.

Social studies empowers the student by making them see the importance of becoming active participants in our society. If we learn how ordinary people were often the source of major changes, we come to understand our own potential for contributing to the process.

### Social Studies Department Graduation Requirements:

Three years of Social Studies courses including World History, US History, Economics and Government are required. Two years are recommended by UC.

### Social Studies Department Courses:

#### **Geography**

<b>Level:</b>	<b>Grade 9</b>	<b>Semester</b>	<b>5 Credits</b>
UC/CSU Approval:	Yes, Area A		
Prerequisite:	None		

#### **Description:**

This course includes the physical, historical, cultural and political geography of the world as a preparation for their future courses in World History and United States History. Primary emphasis is placed on knowledge of all the countries, oceans, major mountain ranges, major rivers, primary natural resources, relative population densities, environmental problems, historical nature of the current country borders, and the position of those countries in modern society. This will also serve as a course for new high school students to begin to utilize the skills in note taking, organization, study techniques and presentation. This course meets the UC/CSU History/Social Science (a) course requirement.

---

## **World History**

**Level:** **Grade 10** **Year** **10 Credits**

UC/CSU Approval: Yes, Area A

### **Description:**

World History is taught in the mode of most traditional World History courses, starting with pre-history, progressing through ancient civilizations to the beginnings of the modern world, and finishing with the major events of the 20th and 21st centuries. The course takes a “big picture” view of world history, “stepping back to see the world as an interconnected whole.” Asian, African, and Latin American history is studied alongside the major developments of Western civilizations. Expected course outcomes for students will include becoming proficient at using historical themes to find global and cultural patterns and connections across time, and using critical thinking and logical reasoning skills to challenge suppositions and test hypotheses, both verbally and in writing. Students are also expected to successfully complete a research project during the second semester. This course meets the UC/CSU History/Social Science (a) course requirement.

## **World History Honors**

**Level:** **Grade 10** **Year** **10 Credits**

UC/CSU Approval: Yes, Area A

Prerequisite: A grade of A or better in Geography. \*If did not take Geography, counselor discussion needed

### **Description:**

Honors World History is designed for the sophomore student who has a strong interest in History. This fast-paced, lecture-format class requires comprehensive note-taking and reading skills. Students will be assessed on a regular basis and are expected to synthesize the information provided in the lecture, the text, and supplementary readings. MLA format expository essays will be assigned. Multiple student projects and research papers will be required. Summer readings and writing assessments are required. This course meets the UC/CSU History/Social Science (a) course requirement.

## **U. S. History**

**Level:** **Grade 11** **Year** **10 Credits**

UC/CSU Approval: Yes, Area A

### **Description:**

This survey course reviews early American history and moves to an emphasis on the Civil War to the present. The pursuit of the American ideals of democracy, liberty, opportunity, equality, and rights are used as the lens to study US history. An examination of social, political, and economic history plays a strong role in better understanding the growth of the United States. The student will use critical thinking skills and problem-solving and other tools of social sciences (like current events) to demonstrate competency in analysis, the use of primary and secondary sources, expository writing, and the ability to work in a group. This course meets the UC/CSU History/Social Sciences (a) course requirement.

---

## **AP U.S. History**

<b>Level:</b>	<b>Grade 11</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area A		
Prerequisite:	A grade of A- or better in World History or World History Honors		

### **Description:**

Advanced Placement American History is a more in-depth analytical approach to the main U.S. History course, but will require more extensive outside reading and research from primary historical sources. The student will learn about how to make more effective arguments using primary documents as evidence. Students will investigate topics of interest both individually and collaboratively in groups. All students are required to take the AP test in May. This course meets the UC/CSU History/Social Science (a) course requirement.

## **Honors Government/AP Macroeconomics**

<b>Level:</b>	<b>Grade 12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area A - Honors Government; Area G - AP Macroeconomics		
Prerequisite:	A grade of A- or better in previous history classes. 3.7 or higher cumulative GPA.		

### **Description:**

This year-long course is designed for the advanced student who desires to study Economics and Government at the honors/college level. It provides students an opportunity to gain a critical perspective on government, politics, economics, and how they are interconnected. Students will strengthen their skills in logic, problem solving, analytical reading, and critical thinking.

Fall: Honors Government provides students with a practical understanding of the principles and procedures of government. The course begins by establishing the origins and founding principles of American government. After a rigorous review of the Constitution and its amendments, students investigate the development and extension of civil rights and liberties. Lessons also introduce influential Supreme Court decisions to demonstrate the impact and importance of constitutional rights. The course builds on this foundation by guiding students through the function of government today and the role of citizens in the civic process. The course culminates in an examination of economic policy, indicators, and stabilization policies. Passing this course meets the graduation requirements for Government.

Spring: AP® Macroeconomics is designed to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

All students are required to take the AP test in May. This course meets the UC/CSU College Preparatory Elective (g) course requirement.

---

## **AP US Government & Politics**

**Level:** **Grade 12** **Year** **10 Credits**

UC/CSU Approval: Yes, Area A

Prerequisite: A grade of "A-" or better in previous history classes.

### **Description:**

AP® U.S. Government and Politics is a college-level year-long course that not only seeks to prepare students for success on the AP Exam in May, but also provides students with the political knowledge and reasoning processes to participate meaningfully and thoughtfully in discussions and debates that are currently shaping American politics and society. It is important to note that this course is not a history course; it is a political science course that studies the interconnectedness of the different parts of the American political system as well as the behaviors and attitudes that shape this system and are the byproduct of this system. All students are required to take the AP test in May. This course meets the UC/CSU History/Social Science (a) course requirement. This year long course meets the CN graduation requirement for both Government and Economics.

## **Business Economics and Entrepreneurship**

**Level:** **Grade 11-12** **Semester** **5 Credits**

UC/CSU Approval: Yes, Area G

Prerequisite: Instructor approval of small business/project via a required interview with the teacher.

### **Description:**

Economics/Entrepreneurship is a project-based course, where students use the implementation of a small business to learn the basics of Business Economics. A study of the economic concepts and aspects of marketing, advertising, accounting, and finance are examined in the context of running their small business or developing the fiscal arm of their project for the CBSL program. The students determine the nature of their business, its products and services, its management and structure, and learn the daily operations of a business. Economic and marketing concepts, such as database management, pricing, communications strategies, decision-making for the marketplace, and resource allocation and product distribution, are emphasized. This course meets the UC/CSU College Preparatory Elective (g) course requirement. This course does not meet the CN graduation requirement for Economics.

## **Economics**

**Level:** **Grade 12** **Semester** **5 Credits**

UC/CSU Approval: Yes, Area G

### **Description:**

This semester course provides a broad view of the social science of Economics. It builds on real-world economic applications, current events, and case studies to create a basic understanding of economic concepts and our economic system. Which will include a range of both macro and microeconomic concepts. Students are introduced to the basics of economic principles, and learn how to think like economists. They will analyze and interpret data to understand the laws of supply and demand. From economics in the world of business, money, banking, and finance, students will see how economics is applied both domestically and globally. The class will also study the government's role in establishing economic stability as well as how the U.S. economy has a global impact. This course meets the UC/CSU College Preparatory Elective (g) course requirement.

---

## **US Government**

**Level:**                      **Grade 12**                      **Semester**                      **5 Credits**

UC/CSU Approval:        Yes, Area A

### **Description:**

The study of Government is centered around the concept of "With Freedom Comes Responsibility." This course includes the foundation of our government, and the students' role in the national and state and local governments. Students will be encouraged to participate in a myriad of ways within and outside the system. This is a one-semester course designed to give students a general overview of the United States of America's system of government while incorporating a civics component which includes simulations of the democratic process, exposure to current and controversial issues and service learning. Passing this course is required by Cardinal Newman High School. This course meets the UC/CSU History/Social Science (a) course requirement.

## **Psychology**

**Level:**                      **Grade 11-12**                      **Semester**                      **5 Credits**

UC/CSU Approval:        Yes, Area G

### **Description:**

This course includes a general survey of the basic concepts of psychology, its theories, and terminology, plus the study of the structure & function of the brain, the central and peripheral nervous systems, the endocrine and sensory systems, cognitive processes, learning, memory, lifespan development, psychological disorders, modalities of psychotherapy, and substance abuse. A variety of strategies & assessments are used, including discussion, questioning, case vignettes, partner role-play, text reading & quizzes, and video viewing will provide a lively and interesting class. Students will also have an opportunity to take a few inventories and learn strategies for stress reduction. This course meets the UC/CSU College Preparatory Elective (g) course requirement.

## **Sociology of Sport**

**Level:**                      **Grade 11-12**                      **Semester**                      **5 Credits**

UC/CSU Approval:        Yes, Area G

### **Description:**

This course includes sport as a social institution and the interrelations between sport and societal subsystems. We will examine the attitudes, values, and behaviors associated with sport. Analysis of contemporary problems associated with sport will be made, with ties made to their historic origins; such problems include race relations, the traditional and emergent role of women, aggression and violence, and political and economic concerns. This course meets the UC/CSU College Preparatory Elective (g) course requirement.

---

## **Sport Psychology**

**Level:**                      **Grade 11-12**                      **Semester**                      **5 Credits**

UC/CSU Approval:        Yes, Area G

### **Description:**

This course includes the key psychological aspects of athletic success as well as investigating the universality of those precepts in achieving success in other fields. It provides a broad overview of the major topics in the field and explores various psychological theories and research related to sport and exercise. This course will guide high school students and student-athletes in creating a balance of academics, family and sports as well as in building a strong knowledge base for choosing a potential college or career focus in the field. This course meets the UC/CSU College Preparatory Elective (g) course requirement.



---

## College Preparatory Electives

### **Leadership**

<b>Level:</b>	<b>Grade 12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area G		
Prerequisite:	Students for ASB/Leadership will be selected through an application and interview process.		

#### **Description:**

Student leadership is a project-based course aimed at increasing students' capabilities as a leader. Through the planning and execution of events for the school, students will practice goal setting, teamwork, and how to best affect change in their communities. Students will read about the nature of leadership and its different styles, identifying the essential traits of being a leader. Additionally, students will write frequently and critically, applying their knowledge to their lives. This course meets the UC/CSU College Preparatory Elective (g) course requirement.

### **Life Skills**

<b>Level:</b>	<b>Grade 12</b>	<b>Semester</b>	<b>5 Credits</b>
UC/CSU Approval:	Yes, Area G		

#### **Description:**

Life Skills are essential to job functioning and real-life skills. Include appropriate life skills instruction so students will possess the potential to live and work in the community. The life skills curriculum blends academic, daily living, person/social, occupational skills, basic health concepts to ensure success and well-being into integrated lessons designed to help students learn to function independently in society. This course meets the UC/CSU College Preparatory Elective (g) course requirement.

---

## THEOLOGY DEPARTMENT

### Theology Department Objectives:

The objectives of the Theology department are to have our students:

1. Synthesize a deeper understanding of God's revelation in Scripture, Creation, and the Incarnation of Jesus.
2. Articulate the historical development of the Roman Catholic Church and its effects on Western Civilization, the modern Church, and the world today.
3. Utilize Christian virtues, the Ten Commandments, and other moral values of the Christian tradition as directives for making authentic moral decisions.
4. Identify and gain an expanded awareness of social justice issues in our modern society from a Catholic perspective.
5. Increase their understanding of self, lifestyle choices, and the divine nature of God through their personal, communal, and institutional faiths.
6. Actively demonstrate their faith and leadership skills by actively participating in liturgies, retreats and service projects.
7. Identify the work of Christian compassion and charity by becoming actively engaged in community service and outreach that culminates in a Senior Christian Service Project.

### Theology Department Graduation Requirements:

Four years of Theology courses are required.

### Theology Department Courses:

#### **Introduction to Catholicism**

<b>Level:</b>	<b>Grade 9</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	No		

#### **Description:**

This course includes an overview of the doctrinal elements of the Catholic faith as expressed in the Apostles' Creed. Students will study the nature and origin of the Catholic Church as the One, Holy, Catholic, and Apostolic Church founded by Jesus Christ. Students will explore the Seven Sacraments as outward signs instituted by Christ to give grace, and how those people who are connected to the life of Christ live a sacramental life. Students will reflect on the Ten Commandments and the Beatitudes to understand conscience formation and the implications of sin. Students will also learn about the Church's continuing mission of evangelizing the whole world. This course encourages students to expand and strengthen their relationship and commitment to God through Christ while understanding the origins and doctrines of the Catholic Church.

---

## **Catholicism**

**Level:**                      **Grade 9**                      **Year**                      **10 Credits**

UC/CSU Approval:      No

Prerequisite:              Practicing Catholic with Pastor's recommendation and copy of  
certificates of Baptism and Confirmation

### **Description:**

This course's curriculum is similar to that of Introduction to Catholicism, but begins the study with the recognition that the students have a more advanced knowledge base constructed from their previous catechetical training. This course includes study of the nature and origin of the Catholic Church as the context in which we encounter the living Jesus Christ. Students will study the Church as founded by Christ who continues to sustain the Church with the Holy Spirit. The successors of the Apostles, the bishops, continue to authoritatively teach the Christian message to this day. Students will explore views of the Church including the Church as the living Body of Christ, the Temple of the Spirit and the People of God. The interactions between the divine and human elements and how they interact will be studied. They will also learn about the Church's continuing mission of evangelizing the whole world. This course encourages students to expand and strengthen their relationship and commitment to God through Christ while understanding the basic origins and doctrines of the Catholic church.

## **Introduction to Sacred Scripture**

**Level:**                      **Grade 10**                      **Semester**                      **5 Credits**

UC/CSU Approval:      No

### **Description:**

This course includes an overview of Sacred Scripture with an introduction to the basic principles for understanding and interpreting the Bible. It will present a sense of the unity of the narrative for the divine plan of salvation by reviewing the more famous as well as lesser-known stories from the Bible. Student reading of the Sacred Text is critically important as it allows students to react to the text and meditate on it. The course is not intended to be an exhaustive presentation of the contents of Sacred Scripture. It gives the students the fundamentals of how to approach and understand the Bible. Students will share their faith and are expected to reflect on the message of Scripture throughout the semester outside of class.

---

## **Church History**

**Level:**                      **Grade 10**                      **Semester**                      **5 Credits**

UC/CSU Approval:        Yes, Area G

### **Description:**

This course is an overview of the history of the Catholic Church. In this foundational course, students will explore the development of the doctrines, traditions, and practices of the Church. Students will begin their study in the New Testament and read other early Christian writings. They will understand how the Church evolved within the Roman Empire and how she affected the development of Western Europe. They will learn about the major events in European history related to the Church including the fall of Rome, the Great Schism, the fall of Constantinople and the Protestant Reformation. Students will learn about many of the Ecumenical Councils, in particular, Nicaea, Constantinople, Trent and Vatican II. The course will also examine key historical figures in the history of the Church. Specific writings and Church documents will serve as a springboard for discussion of the development of basic doctrine and sacraments within the historical context. This course meets the UC/CSU College Preparatory Elective (g) course requirement.

## **Christian Morality and Catholic Social Teaching**

**Level:**                      **Grade 11**                      **Year**                      **10 Credits**

UC/CSU Approval:        No

### **Description:**

Christian Morality includes a study of the basic components of Christian morality. Students will explore the principles by which the Catholic Church guides human beings in their quest to do good and avoid evil. Students will understand the human person as a rational being endowed with intellect and free will. The course will explore the Catholic understanding of conscience and our responsibility to adhere to Church teaching in order to have a well-formed conscience. Students will be taught to view morality through the eyes of the Church. Contemporary moral dilemmas will be examined and discussed in class in order to better manifest how moral decisions are made in the context of the revelation of Jesus Christ.

In the Spring, Catholic Social Teaching students will have the opportunity to explore issues of justice found in contemporary American society and in other societies. The course presents the development of Catholic teachings on social justice. Students will be asked to look critically at life, our society and our world. The course will challenge students not simply to learn information, but also to change their behaviors based on the teachings of Christ. This course will consider justice-related themes with an emphasis on the fundamental right to life and the inherent dignity of the human person. The course will also examine specific social injustices such as systematic poverty, discrimination (sexism, racism), environmental degradation and lack of economic development. Students will discuss and explore these problems with an understanding of how personal individual decisions can contribute to these problems or help alleviate them.

Additionally, students will be guided through the initial stages of their Senior Christian Service Project. This project should address a specific need with specific ways of helping the people involved. Course work includes the development of a Service Project. Coursework will include clearly identifying Catholic doctrine on the subject and Scriptural inspiration to help them continue strongly in their project. By the end of the year, many students will have started their projects.

---

## **Christian Philanthropy and Christian Vocations**

**Level:**                      **Grade 12**                      **Year**                      **10 Credits**  
UC/CSU Approval:      No

### **Description:**

A study of the historical and theological developments of philanthropy (philanthropia) from a Christian perspective. Students will come to appreciate how the Incarnation of Jesus Christ radically transformed humanity's approach to caring for one another. Readings from Scripture, the Church Fathers and the Magisterium will be considered from a personal and social perspective as students learn about the importance of exercising the virtue of charity. Current and historical philanthropic practices and opportunities will be evaluated. Students will be guided in carrying out the majority of their Senior Christian Service Project during this semester.

Christian Vocations challenges students to examine the various ways in which people live their life in the world today while emphasizing the importance of good decision making. They are challenged to assume responsibility for their personal actions with an understanding of how to use Christian moral principles. They consider the vocations of priesthood, marriage and religious life. Students study the developmental tasks of young adulthood and the importance of making good choices in the future.

Christian Service work continues in this class with many references to previous experience, and project work from the previous semester. Students will complete their projects this year culminating in their paper and presentation in the Spring.

## **Christian Service**

**Level:**                      **Grade 9-12**

Christian Service is incorporated into the formation of all students throughout their four years at Cardinal Newman High School. The aim of Christian Service is to help the students grow in the love of God and neighbor through concrete acts of service done for the love of God. In this spirit, each student will spend at least 25 hours per year serving others in the greater community.

Christian Service formation culminates in a Senior Christian Service Project conceived and implemented by the individual student in which the student responds to a specific community need in a spirit of Christian service. All projects are approved and supported by the Christian Service Coordinator. The Senior Christian Service Project includes the selection of a community mentor associated with the chosen service work. In addition, this project involves deeper reflection, writing and research into the specific community need being addressed and the Christian response to this need. The entire process culminates in a day of student presentations highlighting their service work and its significance.

---

## VISUAL & PERFORMING ARTS DEPARTMENT

### Visual & Performing Arts Department Objectives:

Cardinal Newman Art Program is committed to providing students with an encouraging environment where they are given the opportunity to grow and excel as artists. We strive to deliver the highest quality of music, fine art, drama, and dance training, while nurturing each student's unique gift of talent and creativity. We wish to encourage our students to achieve their fullest potential – to support them as they grow artistically and academically, and develop into well-rounded individuals – nourished in body, mind and spirit.

### Visual & Performing Arts Department Graduation Requirements:

One year of Visual & Performing Art courses are required though including the arts throughout a student's four years is known to enhance their success in other disciplines . One year is required by UC.

### Visual & Performing Arts Department Courses:

#### **Drama/Drama - Advanced**

<b>Level:</b>	<b>Grade 10-12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area F		

#### **Description:**

This course will focus the Dramatic Arts student on a performance that will culminate in a theater production for an audience outside of class.

It will include auditions for all roles, rehearsal, technical theater elements, marketing and other requirements for producing a play. All students will perform in the play and will be encouraged to help create many elements of the production. In addition, students in VPA Drama-Adv Drama will be required to work on the Spring Drama production as part of their grade.

This course meets the UC/CSU Visual & Performing Arts (f) course requirement.

#### **Introduction to Studio Art**

<b>Level:</b>	<b>Grade 9</b>	<b>Semester</b>	<b>5 Credits</b>
UC/CSU Approval:	Pending		

#### **Description:**

This 9-week course is a study in the foundations of visual art. This class will introduce the elements of art history, art criticism, and design with a focus on the basic skills of drawing, painting and sculpture. The study in drawing will emphasize contour line and shading techniques with pencil.

Students will learn and utilize the symbolic, expressive and descriptive qualities of the elements of art: line, shape, form, color, texture, space, and value. The course will offer an opportunity to build an art vocabulary in order to describe and write about art. These concepts will be reinforced through a variety of media.

---

### **Studio Art I**

<b>Level:</b>	<b>Grade 10-12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area F		
Prerequisite:	None, 9th grader can take the course with instructor approval.		

#### **Description:**

This course will facilitate the study of the elements and principles of art with drawing, painting, and sculpture projects. Students will create works individually and collaboratively. Students will see contemporary and historical art. There will be at least one creative writing/research assignment involving study of an artist or period of art chosen by the student. You will learn an art vocabulary and about art careers. Guest artists share their work and experiences with students. This course meets the UC/CSU Visual & Performing Arts (f) course requirement.

### **Studio Art II**

<b>Level:</b>	<b>Grade 11-12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area F		
Prerequisite:	Studio Art I or teacher approval		

#### **Description:**

The Studio Art II class is where students begin the artistic cognitive process through critical judgment and hands-on experience in several mediums. Students will create works individually and collaboratively. They will be exposed to contemporary and historical art, they will learn to critically deconstruct the work through the application of critical analysis framework. There will be at least one writing/research assignment involving the study of an artist or period of art. Students will learn art vocabulary and about art careers. Guest artists will be invited to share their work and experiences with students. This course meets the UC/CSU Visual & Performing Arts (f) course requirement.

### **AP Studio Art**

<b>Level:</b>	<b>Grade 12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area F		
Prerequisite:	One year of an art instruction: Graphic Design, or Studio Art 1 & 2, and instructor approval.		

#### **Description:**

Students must present a portfolio for consideration to the instructor prior to enrollment. This course is a springboard for continuing study in art or work in the field of art. Students are encouraged to and will work in a variety of mediums. Students will submit a portfolio to the AP College Board consisting of 15 excellent works of art focusing on one emphasis: Drawing, 2-D Design or 3-D Design. All students are required to take the AP test in May. This course meets the UC/CSU Visual and Performing Arts (f) course requirement.

---

## **Graphic Design**

**Level:** **Grade 10-12** **Year** **10 Credits**

UC/CSU Approval: Yes, Area F

Prerequisite: Previous Art Courses

### **Description:**

Graphic Design involves a world of dynamic concepts and ever-changing ideas. This course will promote personal and innovative thought in visual problem solving. It will emphasize conceptual thinking through research-based problem solving and creativity, pushing the student to “think outside the box”. This course is designed to prepare and motivate students to pursue the graphic design field as a career by working on real-world projects for organizations on and off campus. Projects will involve computer-based designs using programs such as Adobe InDesign and Illustrator. This course meets the UC/CSU Visual & Performing Arts (f) course requirement.

## **Yearbook**

**Level:** **Grade 10-12** **Year** **10 Credits**

UC/CSU Approval: Yes, Area F

Prerequisite: Graphic Design recommended

### **Description:**

Yearbook/Advanced Graphic Design is a year-long course in which students apply their graphic design skills in the production of the Cardinal Newman yearbook. Students learn advanced techniques of page layout, editing, proofreading, photo selection and desktop publishing. The course will focus on students understanding a designer's target audience and stimulating creativity through a variety of two-dimensional media.

This course meets the UC/CSU Visual and Performing Arts (f) course requirement.

## **Honors Yearbook**

**Level:** **Grade 10-12** **Year** **10 Credits**

UC/CSU Approval: Yes, Area F

Prerequisite: Graphic Design recommended

### **Description:**

Honors Yearbook is a year-long course in which students are responsible for the production of the school's yearbook, which teaches leadership skills. Students in this class have successfully completed pre-requisites in design, photography and journalism production and writing in the initial Yearbook course. As editors, these students will play a crucial role in developing and creating the year's theme and major design elements. They will also work with new yearbook students in a mentor role. They will critique previous books and present their thoughts on design, typography, theme, layout, and photography, giving new students a clear understanding of what makes a strong yearbook. In addition to the responsibility of creating content for the yearbook, Honors yearbook staff will edit pages completed by fellow staffers offering suggestions for improvements and checking for detail cohesion within the book as a whole. Continuing students enjoy both more responsibility for and more input toward not only the yearbook as a publication, but also in the functioning and duties of the staff as well.



---

## **Introduction to Music**

**Level:**                      **Grade 9**                      **Semester**                      **5 Credits**

UC/CSU Approval: Pending

### **Description:**

This course is an introduction to the process of active music listening. It also serves as an opportunity for hands-on exposure to music making on guitar, keyboard, and drums, plus the art of singing and rapping. The basic elements of music such as form, rhythm, harmony, melody and texture are explored. The importance of various music styles such as Classical, Jazz, Blues, Rock, Country, Electronic, World Music, and Popular music are discussed with analysis of the most important composers and performers in those areas. It is expected that through this process, the student will gain a greater awareness of formerly unfamiliar music as well as a deeper understanding of the music they may already know.

## **Performance Guitar**

**Level:**                      **Grade 10-12**                      **Year**                      **10 Credits**

UC/CSU Approval:        Yes, Area F

Prerequisite:              Approval by instructor

### **Description:**

This course is intended for guitar players of all abilities and interests. The class will include developing repertoire in many styles, as well as scale and music theory. The instructor will assess each student's abilities and knowledge at the beginning of the semester in order to design a program for that particular student. The emphasis will be on understanding the guitar as both a rhythm and lead instrument, and will include instruction in playing both open and closed chord positions, improvisational soloing, and learning songs for pleasure and performance. This class will include time for practice and self-study so the student can develop their guitar playing skills and work toward goals established by the student and teacher. This course meets the UC/CSU Visual and Performing Arts (f) course requirement.

## **Modern Band**

**Level:**                      **Grade 9-12**                      **Year**                      **10 Credits**

UC/CSU Approval:        Yes, Area F

Prerequisite:              Approval by instructor

### **Description:**

Modern Band is a course to develop student achievement through the exploration of the modern band genre, including, but not limited to rock, pop, country and hip hop musical styles. The course will introduce the musical skills necessary to perform on the electric guitar, acoustic guitar, electric bass, keyboard, drums, brass and vocals. All students are welcome regardless of skill level. This course meets the UC/CSU Visual and Performing Arts (f) requirement.

---

## **Digital Media**

<b>Level:</b>	<b>Grade 10-12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Yes, Area F		

### **Description:**

Digital Media is a course designed to educate students on the ever-changing digital world, as well as to provide hands-on experience with industry standard software and equipment. The curriculum covers a wide range of areas, so it appeals to a diverse group of students. Topics covered in Digital Media include audio production, video production, animation, photography and web design. This course meets the UC/CSU Visual and Performing Arts (f) requirement.

## **Choir**

<b>Level:</b>	<b>Grade 9-12</b>	<b>Year</b>	<b>10 Credits</b>
UC/CSU Approval:	Pending		

### **Description:**

Designed for students (9-12) with a great interest in performing at the high school level. The class is for those who enjoy singing and performing more difficult choral music. Choral selections will be from a variety of styles and periods, but will mainly focus on the early classical, baroque, and renaissance periods. Acappella style singing will be the preferred style, some chant will be incorporated, and other music related to the Catholic Mass. Music theory, sight-singing, vocal production, pitch, listening skills, and a high level of performance are stressed. Performing events in the Cardinal Newman Chapel and involvement in the school mass will be required.