

CENTRAL VALLEY CHRISTIAN HIGH SCHOOL COURSE DESCRIPTIONS

BIBLE DEPARTMENT

BIBLE 3: This is a year-long, required course for Juniors that is divided into two categories: *Christian Foundations* and *Worldview and Apologetics*. *Christian Foundations* is designed to help students understand the distinctive beliefs of the Christian faith. *Worldview And Apologetics* will help students understand the tenets of a Christian worldview and how it compares with those of other leading worldviews of our day.

Prerequisite: None

Eligibility: 11th grade

BIBLE 4: The *Introduction To Ethics* course is a year-long, required course for Seniors. Beginning with a study of the principles of moral reasoning used by Christians and non-Christians, the course then reflects upon the application of those moral principles to our lives as we study the Decalogue and the Sermon on the Mount .

Prerequisite: None

Eligibility: 12th grade

BUSINESS DEPARTMENT

ACCOUNTING 1: This year-long elective teaches the student how to keep financial records and how to analyze those records. Students learn the principles of double-entry accounting and why it is necessary for a business to keep accurate and easily interpreted records.

Prerequisite: Algebra 1 and Geometry

Eligibility: 11th or 12th grade

ACCOUNTING 2: This year-long elective focuses on increased problem solving skills and intense computer accounting skills. The knowledge and skills learned in Accounting 1 are further developed.

Prerequisite: Accounting 1

Eligibility: 12th grade

ADVANCED COMPUTER APPLICATIONS:

Computer Applications is a one semester course designed to incorporate the most commonly used computer based applications used in today's education and business worlds. Students master a variety of skills in Microsoft Word, Microsoft Power Point, and Microsoft Excel that will enhance their ability to perform in the academic as well as business environment during and after high school.

Prerequisite: A grade of at least a "C-" in Computer Applications (formerly Word Processing)

Eligibility: 10th—12th grade

COMPUTER APPLICATIONS: This semester-long, required course focuses on the use of keyboarding skills and many elements of Microsoft Office. It also presents ethical dilemmas that can arise in day-to-day business operations and how a Christian should deal with these dilemmas.

Prerequisite: None

Eligibility: 9th grade

BUSINESS DEPARTMENT (Continued)

INVESTMENT AND MARKET STRATEGIES:

This semester-long course focuses on helping students understand the present economy in relationship to investments and taxes in every business including the dairy business. This course also encourages the student to be responsible stewards of their money in adult life.

Prerequisite: None

Eligibility: 11th—12th grade

PERSONAL FINANCE: This semester-long, required course is designed to help Seniors develop and understanding of auto insurance, health insurance, homeowners insurance, umbrella insurance, etc.

Prerequisite: None

Eligibility: 12th grade

ENGLISH DEPARTMENT

ENGLISH 1: This year-long, required course is designed for freshmen students entering CVCHS. The focus of the curriculum is to give the students a wide variety of experiences in English , including writing, literature, vocabulary, and grammar.

Prerequisite: None

Eligibility: 9th grade

U.C. Approved

ENGLISH 2: This year-long, required course includes a combination of short stories, novels, drama, poetry, and composition. A main focus is on the appreciation of all types of literature, with the student reacting to literature by way of essays and projects. Vocabulary building and development of thinking skills will be a year-long process.

Prerequisite: None

Eligibility: 10th grade

U.C. Approved

SPEECH: This semester-long, required course is designed to help students present themselves and their ideas clearly and effectively through public speech.

Prerequisite: None

Eligibility: 10th grade

U.C. Approved

ENGLISH 3: This year-long, required course includes a combination of American literature, composition, and grammatical use. Focus is on the literature produced in America, with the student reacting by way of essays, literary analysis, and project presentations. Vocabulary building and development of thinking skills will be a year-long process.

Prerequisite: None

Eligibility: 11th grade

U.C. Approved

HONORS ENGLISH 3: This year-long course includes a combination of British literature, composition, and grammatical use. Writing and reading requirements will be more rigorous. This course seeks to prepare students for the demands of A.P. English and college courses.

Prerequisite: Based on performance in English 1 and 2 and/or teacher recommendation.

Eligibility: 11th grade

U.C. Approved

ENGLISH DEPARTMENT (Continued)

ENGLISH 4: This year-long, required course includes a combination of English literature, composition, and grammatical use. Oral presentations discussions will be interspersed throughout the year. Main focus is on the literature produced in England. Course is geared toward the college-bound student.

Prerequisite: None

Eligibility: 12th grade

U.C. Approved

A.P. ENGLISH: This year-long course is designed to challenge students in reading comprehension, critical thinking and analysis, and advanced writing skills. Content will primarily consist of British novels, drama, short stories, and poetry. Students are expected to be self-motivated and disciplined in regards to course work. This course focuses on preparing students to take the A.P. exam in May.

Prerequisite: Grade of “B-” or higher in Honors English 3 and/or teacher recommendation

Eligibility: 12th grade

U.C. Approved

WRITING ARTS: This year-long elective will include creative writing, drama productions for stage, a student newspaper, short performances and readings for the middle and elementary schools. Students will also utilize POD (publish on demand) sites to publish work.

Prerequisite: None

Eligibility: 10th—12th grade

Pending U.C. Approval

FOREIGN LANGUAGE DEPARTMENT

SPANISH 1: This year-long, required course is an introduction to the language and diverse cultures of the Spanish speaking world. The emphasis is on communication and is usually taken in the freshman year of high school. It fulfills, the first half of the foreign language requirement for many colleges and universities.

Prerequisite: None

Eligibility: 9th grade

U.C. Approved

SPANISH 2: This year-long, required course is a continuation of Spanish 1. Students will increase their knowledge and use of Spanish and be given opportunity to express themselves in increasingly more open-ended situations. Spanish 2 fulfills the second half of the foreign language entrance requirement for many colleges and universities.

Prerequisite: Grade of “C-” or above in Spanish 1

Eligibility: 10th grade

U.C. Approved

SPANISH 3: This year-long course is a continuation of Spanish 2. Students will advance from a novice level of proficiency to an intermediate level.

Prerequisite: Grade of “C-” or above in Spanish 2

Eligibility: 11th grade

U.C. Approved

FOREIGN LANGUAGE DEPARTMENT (Continued)

SPANISH 4: This year-long course is an advanced, college level reading and writing class with a high level vocabulary building and an intensive grammar review.

Prerequisite: Grade of “B” or better in Spanish 3

Eligibility: 12th grade

U.C. Approved

AP SPANISH 4 (ADVANCED PLACEMENT LAB OPTION): Students enrolled in the AP Spanish 4 class may opt to take this lab in preparation for the AP Spanish Language Exam to be given by the College Board. This lab meets on Friday mornings from 7:15-8:00 am.

Prerequisite: Grade of “A-” or better in Spanish 3

Eligibility: 12th grade

U.C. Approved

MATHEMATICS DEPARTMENT

ALGEBRA 1: This year-long, required course helps students understand the basic structure relating to real numbers and to recognize an apply mathematics techniques for the solution of linear and quadratic equations.

Prerequisite: A “D-” or better each quarter in a Pre-algebra or similar course.

Eligibility: 9th—10th grade

U.C. Approved

GEOMETRY: This year-long, required course is the study of inductive and deductive thinking. It includes congruency, relationships, angle and triangle relationships and proofs.

Prerequisite: A “C-” or better each semester of Algebra 1 (Freshmen are required to obtain a grade no lower than a “B-” each quarter in a Junior High Algebra 1 class)

Eligibility: 9th—11th grade

U.C. Approved

GEOMETRY PLUS: This year-long course is the study of inductive and deductive thinking. It includes congruency relationships, angle and triangle relationships and proofs. Geometry Plus shows students the connections between geometry and everyday life in order to strengthen their understanding of geometry. It goes even further to provide integration of algebra and geometry, plus extensive use of coordinate geometry and applications to the real world.

Freshmen Prerequisite: Grades of no lower than A-/B+ each quarter in Junior High Algebra 1; ITBS percentile greater than 85 in all math areas; Letter of Recommendation from 8th grade math teacher. (<http://home.cvc.org/math/form.pdf>)

Upperclassmen Prerequisite: Grades of “A-” or better each semester of Algebra 1.

Pending U.C. Approval

MATHEMATICS DEPARTMENT (Continued)

ALGEBRA 2: This year-long course extends the study of previously learned functions—linear and quadratic—as well as develops new functions—exponential, polynomials, and rational functions while staying within the real number system.

Prerequisite: A “C-” or better each semester of **Geometry and Algebra 1**

Eligibility: 10th—12th grade

U.C. Approved

HONORS ALGEBRA 2: This year-long course extends the study of previously learned functions—linear and quadratic—as well as develops new functions—exponential, logarithmic, polynomials, rational, and trigonometric functions. It also includes the study of geometric representation of equations of quadratic functions (conics); and extends the study of number systems to complex numbers.

Prerequisite: An “A-/B+” or better each semester in both **Algebra 1 and Geometry**.

Final approval will be determined by the Math Department.

Eligibility: 10th—12th grade

U.C. Approved

STATISTICS: Statistics pertains to the collection, analysis, interpretation, and presentation of data. It also provides tools for prediction and forecasting based on data. It is applicable to a wide variety of academic disciplines, from the natural and social sciences to the humanities, government, and business. Statistical methods and measurements will be developed in the context of application. Computer software and graphing calculator technology are incorporated throughout the course.

Prerequisite: Successfully completed **Algebra 2**

Eligibility: 11th—12th grade

Pending U.C. Approval

PRECALCULUS: This year-long course extends the study of previously learned functions—linear, polynomials, exponential and logarithmic, and rational functions. It also includes the study of geometric representation of equations of quadratic functions (conics); systems of equations with the use of linear algebra; and extends the study of number systems to complex numbers.

Prerequisite: A “B-” or better both semesters in **Algebra 2**.

Eligibility: 11th—12th grade

U.C. Approved

HONORS PRECALCULUS: This year-long course includes the solutions of triangles and the practical applications of trigonometry to surveying, navigation, but major emphasis in trigonometry is algebraic. This course also includes the study sequences and series, probability, and the basic calculus concepts of limits, derivatives, and integrals.

Prerequisite: A “B-” or better both semesters in **Honors Algebra 2**. **Final approval will be determined by the Math Department.**

Eligibility: 11th—12th grade

U.C. Approved

MATHEMATICS DEPARTMENT (Continued)

AP CALCULUS AB:

AP Calculus AB includes limits and continuity of functions; derivatives of algebraic, trigonometric and exponential functions and their applications in problems involving rate; and integration of algebraic, trigonometric and exponential functions and the application in problems involving area and work.

Prerequisite: A “B-” or better both semesters of **Honors Pre-calculus** or a similar course OR a “B+” or better both semester of **Pre-calculus** or similar course.

Final approval will be determined by the Math Department.

Eligibility: 12th grade

U.C. Approved

PHYSICAL EDUCATION DEPARTMENT

GIRLS FITNESS: This semester-long course is designed of the student who seeks knowledge and participation in fitness. Exercises are done to music with and emphasis on cardiovascular conditioning, strength and flexibility.

Prerequisite: None

Eligibility: Must be female; 10th—12th grades

HEALTH: This semester-long, required course is taught in order to promote the importance of maintaining physical, mental and social health. The educator promotes guidance towards mature, responsible decision-making which fosters a healthy lifestyle.

Prerequisite: None

Eligibility: 9th grade

PHYSICAL EDUCATION: This one-semester, course focuses on health fitness development and maintenance, motor proficiency for growth and enjoyment, and understanding our God-created being. A total of 4 semesters are needed to fill graduation requirements.

Prerequisite: None

Eligibility: 10th—12th grade

STRENGTH & CONDITIONING: This semester-long course is designed to increase strength, flexibility, core function, general fitness, resistance to athletic injury, and overall athleticism.

Prerequisite: None

Eligibility: 10th—12th grade

FOOTBALL WEIGHTS: This semester-long course is offered in the Fall and is strongly recommended for those on the Varsity football team. It is designed to improve student’s levels of strength and conditioning, while concentrating on sport specific lifts.

Prerequisite: None

Eligibility: Varsity Football Players Only

SCIENCE DEPARTMENT

PHYSICAL SCIENCE: This year-long, freshman course centers on Physical Science, particularly the study of energy and how it relates to the real world.

Prerequisite: None

Eligibility: 9th grade

U.C. Approved for Class of 2011 and after

BIOLOGY: This year-long, required course is designed to give the student an overview of the 6 major domains of biology: cell biology, molecular biology, classification, ecology, and adaptation, and genetics.

Prerequisite: Recommendation from 8th grade science teacher.

Eligibility: 9th or 10th grade

U.C. Approved

CHEMISTRY: This year-long course teaches about atoms, and how atoms can be arranged to form the materials of our world and universe.

Prerequisite: A "C-" or better each semester in Biology.

Eligibility: 10th, 11th, or 12th grades

U.C. Approved

HONORS CHEMISTRY: This accelerated, year-long course teaches about atoms and how atoms can be arranged to form the materials of our world and universe.

Prerequisite: Same as Chemistry and Recommendation from Science Department

Eligibility: 10, 11th, 12th grades

U.C. Approved

AG SCIENCE: This year-long course is designed for college-bound students with an interest in agriculture. The lab-based course is designed for the students to analyze elements of life science, earth science, and physical science with agricultural applications. Students will be able to evaluate the interconnectedness of all levels of science in agriculture.

Prerequisite: Biology *and* Chemistry

Eligibility: 11th or 12th grade

U.C. Approved

MEDICAL SCIENCE (MedSci): This year-long course enables the student to use chemistry and biology principles to learn about disease cause, diagnosis, and treatment.

Prerequisite: A "B-" or better in Chemistry

Eligibility: 11th or 12th grades

U.C. Approved

PHYSICS: This year-long course involves the study of forces, energy, and motion. The study of Physics improves our understanding God's general revelation.

Prerequisite: A "B" or above in Chemistry; must have taken/ or is taking Algebra 2 at the time of the Physics course.

Pre-calculus is not required, but is very helpful

U.C. Approved

SOCIAL STUDIES DEPARTMENT

WORLD HISTORY 1: This year-long, required course for Freshmen provides the foundation for a Christian view of the world and its peoples.

Prerequisite: None

Eligibility: 9th grade

WORLD HISTORY: This year-long, required course for Sophomores examines the rise of Western democratic societies and the modern global culture.

Prerequisite: World History 1

Eligibility: 10th grade

U.C. Approved

UNITES STATES HISTORY: This year-long, required course for Juniors examines significant events, movements, and patterns that have helped shape the modern world from the perspective and involvement of the United States.

Prerequisite: World History

Eligibility: 11th grade

U.C. Approved

HONORS U.S. HISTORY: This accelerated, year-long course offers an issue oriented approach in the study of the people of the United States and their history. The course is designed to acquaint students with core characteristics and values found throughout the history of the United States and its people.

Prerequisite: Must have had an A in both semesters of World History, teacher recommendation.

Eligibility: 11th grade

U.C. Approved

UNITED STATES GOVERNMENT: This semester-long, required course for Seniors examines the principles published in the founding documents of the United States, and equip students to evaluate the execution of those principles in American government.

Prerequisite: None

Eligibility: 12th grade

U.C. Approved

ECONOMICS: This semester-long, required course for Seniors will give students the vocabulary and analytical experience necessary to examine their own choices and the consequences of society's choices.

Prerequisite: None

Eligibility: 12th grade

U.C. Approved

AP MICRO-ECONOMICS: This accelerated, semester-long course provides a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature of the functions of product markets, and the role of government in promoting greater efficiency and equity in the economy.

This course fulfills the Economics requirement for graduation.

Prerequisite: Government

Eligibility: 12th grade

U.C. Approved

SOCIAL STUDIES DEPARTMENT
(Continued)

PSYCHOLOGY: The purpose of this semester-long elective is to evaluate from a Christian perspective how psychology may be used to explain, predict, control and improve human behavior. Students will gain a better understanding of chronological development; of how humans think, perceive, and learn; of how normality and deviancy are culturally defined; and of the biological and adaptive basis of behavior.

Prerequisite: None

Eligibility: 11th—12th grades

SOCIOLOGY: This semester-long elective allows the student to gain a broader perspective of the world around them as they study relationships. Students have the opportunity to examine and evaluate a wide range of topics (culture, socialization, gender, deviance, personalities) while performing many experiments and observations to “flesh out” the lessons they are faced within class. This course is discussed and analyzed from a Biblical perspective.

Prerequisite: None

Eligibility: 11th—12th grades

VISUAL AND PERFORMING ARTS

INTRO TO ART: This semester-long class introduces students to aesthetics, art materials, concepts and production.

Prerequisite: None

Eligibility: 9th—12th grades

2-DIMENSIONAL ART: This year-long course focuses on the understanding and production of traditional 2-dimensional art media. Focus will be on pencil, colored, pencil, cut paper, charcoal, pastel, pointillism, printmaking, scratch art, watercolor, pen and ink and acrylic painting.

Prerequisite: A passing grade in Intro to Art, or permission from the Art instructor.

Eligibility: 10th—12th grade

U.C. Approved

3-DIMENSIONAL ART: This year-long course focuses on the understanding and production of traditional 3-dimensional art media. The class will focus on wood, plaster, wire, reduction carving, clay (hand building and wheel-throwing), cardboard, found object sculpture, paper, and handmade books.

Prerequisite: A passing grade in Intro to Art or permission from the Art instructor

Eligibility: 10th—12th grade

U.C. Approved

ADVANCED ART: This year-long course focuses on individual visual communication and portfolio building. Each quarter will have a different focus, but all will include art history, aesthetics, art criticism and intense production. This class is for independent students who want to deepen their personal visual communication.

Prerequisite: Passing grade in either 2-D or 3-D Art

Eligibility: 11th or 12th grade

U.C. Approved

VISUAL AND PERFORMING ARTS
(Continued)

CAVALIER BAND: This year-long course is open to all students who have demonstrated proficiency at playing music that is grade III or above. Band members build on the fundamental skills of proper instrumental performance and musical knowledge and are exposed to a variety of music styles.

Prerequisite: None

Eligibility: 9—12th grade

U.C. Approved

GIRLS ENSEMBLE: This year-long course is available for first and second year female vocal students. They will learn the basic elements of music reading and theory, sight singing, vocal production and vocal performance

Prerequisite: None

Eligibility: 9th and 10th grade girls

CAVALIER CHOIR: This year-long course is a mixed chorus. Students learn basic elements of music reading and theory, sight singing, vocal production and vocal performance.

Prerequisite: Girls—Girls Ensemble; Boys—None

Eligibility: Girls (11th-12th grades); Boys (9th-12th grades)

U.C. Approved

ASAPH HONOR CHOIR

(All Sing and Praise Him): This course is a small mixed honor ensemble for auditioned 10th—12th grade students.

Students will develop increased competency in elements of music reading and theory, sight singing, vocal production and vocal performance.

Prerequisite: Audition required

Eligibility: 10th—12th grades

FILM STUDIES: This year-long course is designed to introduce students to movies from various periods of Hollywood history and to teach students how to classify films according to genre. Two consecutive semesters of this course fulfills the U.C. Requirements for a Visual and Performing Arts course.

Prerequisite: None

Eligibility: 9th—12th grades

U.C. Approved

INDUSTRIAL ARTS DEPARTMENT

INTRODUCTION TO SHOP: A semester-long course designed to acquaint the student to the procedures and safety policies of the shop environment.

Prerequisite: None

Eligibility: 9—12th grade

WOOD SHOP: This year-long course provides students with a basic knowledge of shop work through skills, exercises, and the construction of projects.

Prerequisite: Intro to Shop

Eligibility: 10th—12th grade

INDUSTRIAL ARTS DEPARTMENT

(Continued)

METAL SHOP: This year-long course expects students to be competent with the tools in the shop. Student projects are the focus of this class.

Prerequisite: Intro to Shop

Eligibility: 10th—12th grade

HOT ROD AND CUSTOM FABRICATION: This year-long elective allows students to study many aspects of auto customization and learn how to create works of art. They will learn the following skills; metal working, car building, and painting—all are related to the custom auto industry.

Prerequisite: Intro to Shop

Eligibility: 10th and 12th grade

CVC ELECTIVES

GRAPHIC DESIGN AND MOVIE PRODUCTION:

This year-long elective course focuses on learning techniques, concepts and skills necessary to produce print publications, web-based content, flash design, and premium movie production. It is a computer-centered course using primarily Adobe software. Students will work independently on some projects and as a team for larger productions.

Prerequisite: Intro to Art or instructor's permission

Eligibility: 10 - 12th grade

IMPACT: This year-long elective consists of a group of students who work together to design chapel each week. They choose music, schedule speakers, and work to set the overall spiritual tone of the school year.

Prerequisite: Interview with Impact teacher.

Eligibility: 10th—12th grade and approval from

Impact teacher.

LIBRARY SCIENCE: This semester or year-long elective enables the students to assist in the management of the library and all its resources.

Prerequisite: Approval by Library Media Teacher.

Eligibility: 9th—12th grade

MOVIE SCIENCE: This semester-long course may be of interest to those students who wish to apply concepts from all areas of science in a fun and creative manner. 40% of the class time will be viewing movies rich with questionable scientific scenes, events, statements, and concepts. The remainder of the class will be designing and carrying out experiments to test said scenes and events.

Prerequisite: None

Eligibility: 10th—12th grade

THEATRE SOUND AND LIGHTING: This year-long elective is an introduction into what goes on behind the scenes of stage and theater production. You will have hands on experience with sound equipment, lighting equipment and the maintenance needed to produce sound and light shows for CVCHS.

Prerequisite: Previous experience working in your churches' sound/production program and a desire to improve your skills in this area.

Eligibility: 10th—12th grade

YEARBOOK: This one-semester class is offered during the

LEARNING RESOURCE CENTER

Students must qualify for LRC courses through testing

STUDENTS IN LRC ENGLISH AND/OR MATH WILL NOT BE ON TRACK TO ATTEND A 4-YEAR UNIVERSITY IMMEDIATELY FOLLOWING GRADUATION

ALGEBRA 1A: This year-long course is the first half of the typical Algebra 1 class. The difference is the amount of time taken on each task/lesson. The pacing is considerably slower, giving the students ample time to understand and master the material.

Prerequisite: Based on recommendation from 8th grade math teacher and ITED testing

Eligibility: 9th grade

ALGEBRA 1B: This year-long course is the second half of the typical Algebra 1 class. The difference is the amount of time taken on each task/lesson. The pacing is considerably slower, giving the students ample time to understand and master the material.

Prerequisite: Based on successful completion of Algebra 1A and ITED testing

Eligibility: 10th grade

LRC ENGLISH 9/10: LRC English 9/10 is a combination class which alternates between the 9th and 10th grade English curriculum offered at CVCHS. This course includes a combination of all types of literature, composition, drama, and grammar. Vocabulary building will be a year long process. Outside reading will take place by reading novels for book reports.

Prerequisite: Based on testing results

Eligibility: 9th/10th grade

LRC ENGLISH 11/12: This year-long course is a combination class which alternates between the 11th and 12th grade English curriculum offered at CVCHS. This course includes a combination of American and English literature, composition and grammatical use. Vocabulary building and development of thinking skills will be a year-long process. Essays and presentations will be required.

Prerequisite: Based on testing results

Eligibility: 11th/12th grade

LEARNING RESOURCE CENTER: The Resource Program is a graded class designed to help students succeed and overcome various learning struggles they may encounter throughout the school year. The purpose of the Resource Learning Center is to aid students in completing homework, projects, as well as to provide a quiet and comfortable environment for taking tests, quizzes, etc.

Prerequisite: Based on testing results

Eligibility: 9th—12th grade

LRC STUDY SKILLS: This semester-long course teaches how to become a more active learner and to adapt material to work with the students' learning style. LRC is here to teach students how to advocate for themselves so that they can succeed during and after high school. Skills taught will be: organization, note-taking, report writing, ways to read and study textbooks, and how to independently prepare for tests.

Prerequisite: Based on testing results

Eligibility: 9—12 grade