

COURSE DESCRIPTION HANDOUT

Pacific Bay Christian School 2019-2020

While we will endeavor to fulfill all requests, we cannot guarantee that first choices will be met due to issues of scheduling and number limits for a course. Please be aware that certain classes may not run if there are insufficient numbers of sign-ups. Be sure to check with your advisor, Mrs. Mulliken, our Dean of Academic Planning, and Ms. Solomon, our College Counselor, about the effects of your choices on your college application process. Students must carry a minimum of 5 CORE ACADEMIC courses and may take a maximum of 3 AP classes in a given year. Students who wish to take more than 3 AP classes must petition to the Dean of Academic Planning.

CHRISTIAN STUDIES DEPARTMENT All students are required to take four years of Christian Studies courses, culminating with Senior Seminar and a thesis defense.

9 th : <u>Christian Studies 1 – The Drama of Scripture: The Old Testament</u> (2 Semesters)	10 th : <u>Christian Studies 2 – The Drama of Scripture: The New Testament</u> (2 Semesters)	11 th : Take an elective course (2 Semesters)	12 th : <u>Senior Seminar – Justice</u> (2 Semesters)
<i>Electives:</i> Open to all students			
A. <u>Semiotics</u> (1 Semester) Broadly, semiotics is the study of signs and of how signs carry meaning. Special attention will be paid to how signs communicate meaning in things common to our culture, such as film, stories, artwork, music, architecture, and social media.	B. <u>Logic and Argumentation</u> (1 Semester) “Logic is the study of the methods and principles used to distinguish correct reasoning from incorrect reasoning.” This is a critical thinking course. As you study logic you will learn the forms of good thinking and the common forms of errors in reasoning and argumentation.	C. <u>Hermeneutics: How to Interpret the Bible</u> (1 Semester) The Bible is an ancient book and interpreting it can be difficult. This class will explore the literary, historical, and theological tools necessary to interpret the Bible wisely, humbly, and obediently.	D. <u>C.S. Lewis and Beyond: Christian Apologetics</u> (1 Semester) Students will study the various ways that C.S. Lewis winsomely and effectively argues for the trustworthiness of the Christian faith. Primary readings to include C.S. Lewis’ <i>God in the Dock</i> and <i>Miracles</i> .
F. <u>The Novels of C.S. Lewis</u> (1 Semester) From children’s stories to science fiction, C.S. Lewis wrote in a variety of genres and modes. This course will read and discuss Lewis’ fiction writing in depth; considering works such as <i>The Great Divorce</i> , <i>Till We Have Faces</i> , <i>The Chronicles of Narnia</i> , and <i>The Space Trilogy</i> .	G. <u>Christian Ethics</u> (1 Semester) How does one determine right from wrong? Can there be a right and wrong without a God? In this course, students will become conversant in the historical and philosophical approaches to ethics. These traditions will be weighed and considered in light of a Christian philosophy of right and wrong.	H. <u>Linguistics</u> (1 Semester) Linguistics is the study of how meaning is made in language. This class will provide some answers to basic questions about the nature of human language. We will be examining a number of ways in which human language is a complex but rule-governed mental system, and will take up a variety of other questions, such as how language is acquired, how dialects arise, how languages change over time, and others.	I. <u>Theodicy: The Problem of Evil</u> (1 Semester) Theodicy is a defense of the goodness of God in light of the existence of evil. The various problems of evil (logical, existential, practical, and otherwise) are some of the most formidable arguments against a Christian understanding of the world. This class will wrestle with the difficult questions that pain, suffering, death, and evil pose about our lives and the God of the Bible.
		J. <u>The Gospel in the Book of Revelation</u> (1 Semester) The book of Revelation is filled with apocalyptic images of cosmic destruction. This course dives into the nature of the images of the book, and where we can find the gospel in it.	
		K. <u>Media Ecology</u> (1 Semester) This class explores how the new media and technologies shape the way we experience the world. The class will explore cutting edge writings and thinking about the most recent trends in technologies.	

MATHEMATICS DEPARTMENT All students are required to take at least three years of high school math courses or levels through Algebra 2. Depending on their college major of interest, students might need to take additional courses in math. Highly selective colleges want students to be enrolled in AP Calculus by their senior year.

9 th : (2 Semesters) Option 1 – <u>Algebra 1</u> Option 2 – <u>Geometry</u>	10 th : (2 Semesters) Option 1 – <u>Geometry</u> Option 2 – <u>Algebra 2</u>	11 th : (2 Semesters) Option 1 – <u>Algebra 2</u> Option 2 – <u>Pre Calculus, or Applied Stat, AP Stat, or AP Computer Science</u>	12 th : Consider taking the next level math if you have fulfilled the required Algebra 2 level.
<i>Electives:</i> Open to all if qualified			
A. <u>Pre-Calculus</u> (2 Semesters) Prereq: completed Alg 2	B. <u>AP Calculus AB</u> (2 Semesters)	C. <u>AP Calculus BC</u> (2 Semesters)	D. <u>Applied Statistics</u> (2 Semesters) Prereq: concurrent Alg 2
		E. <u>AP Statistics</u> (2 Semesters) Prereq: concurrent Alg 2	F. <u>AP Computer Science</u> (2 Semesters) Prereq: concurrent Alg 2

SCIENCE DEPARTMENT Colleges require at least one year of biological (Biology, Human Bio) science and one year of Physical Science (Chemistry, Physics). The PacBay requirement is the same. We encourage students to complete a third (or more) year of science.

9 th : <u>Biology</u> (2 Semesters)	10 th : <u>Chemistry</u> (2 Semesters)	11 th : Grade level specific <i>electives</i> Option 1 – <u>AP Biology</u> Option 2 – <u>Physics</u> Prereq: concurrent Alg 2 Option 3 – <u>AP Chemistry</u> Prereq: concurrent Alg 2	12 th : Grade level specific <i>electives</i> Option 1 – <u>AP Biology</u> Option 2 – <u>Physics</u> Prereq: concurrent Alg 2 Option 3 – <u>AP Chemistry</u> Prereq: concurrent Alg 2
<i>Electives:</i> Open to all students			
A. <u>Robotic & Automation</u> (1 Semester) Students will make interactive machines using electronics, mechanics, and coding. Students will compete in several local competitions.	B. <u>California Coastal Ecology</u> (1 Semester) From mountains & redwood forests to rocky shores and sandy beaches, to coastal wetlands, tide pools, and undersea kelp forests, to an undersea canyon that is larger than the Grand Canyon, we seem to have it all. This is a hands-on project and lab based class. We will investigate how humans have influenced these ecosystems and look at strategies to maintain a sustainable future.	C. <u>Forensic Science</u> (1 Semester) This course explores how science is used in understanding court evidence. Topics to be investigated include blood evidence, fiber and hair analysis, fingerprints, chromatography, and forging. The course is activity-based with all class members creating and analyzing evidence.	D. <u>Energy & Sustainability</u> (1 Semester) This course focuses on sustainable energy-related technologies and practices. Topics include renewable energy sources, electrochemistry, reducing and recycling, environmental impact, policy and societal perceptions, and economics and innovation. Students will work collaboratively on lab and research projects, focusing on moving PacBay forward as a green school.

WORLD LANGUAGE DEPARTMENT All students are required to take at least two years of high school World Language courses; we recommend three years for college.

9 th : (2 Semesters) Option 1 – <u>Spanish 1</u> Option 2 – <u>Latin 1</u> Option 3 – <u>Koine Greek 1</u> Option 4 – <u>French 1</u> Option 5 – <u>Arabic 1</u>	10 th : (2 Semesters) Option 1 – <u>Spanish 2</u> Option 2 – <u>Latin 1</u> Option 3 – <u>Koine Greek 1</u> Option 4 – <u>French 1</u> Option 5 – <u>Arabic 1</u>	11 th : <i>Electives</i> (2 Semesters) Option 1 – <u>Spanish 3</u> Option 2 – <u>Latin 1</u> Option 3 – <u>Koine Greek 1</u> Option 4 – <u>French 1</u> Option 5 – <u>Arabic 1</u>	12 th : <i>Electives</i> (2 Semesters) Option 1 – <u>Spanish 3</u> Option 2 – <u>Latin 1</u> Option 3 – <u>Koine Greek 1</u> Option 4 – <u>French 1</u> Option 5 – <u>Arabic 1</u>
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ART DEPARTMENT All students are required to take at least one year of visual or performing art class to graduate. The UC requires 1 full year of the same course.

<i>Visual Art</i>	A. <u>Art Foundation</u> (2 Semesters)	B. <u>Advanced Art</u> (2 Semesters) Prereq: Art Foundation	C. <u>Digital Media</u> (2 Semesters)	D. <u>Journalism/ Yearbook</u> (2 Semesters)	E. <u>Photography</u> (1 Semester)	F. <u>Ceramics</u> (1 Semester)
<i>Performing Art</i>	A. <u>Choir</u> (2 Semesters)		B. <u>Advanced Choir</u> (2 Semesters)	C. <u>Drama</u> (2 Semesters)	D. <u>Music Theory</u> (1 Semester)	

HISTORY DEPARTMENT All students are required to take three years of high school history courses (including US History).

9 th : <u>World Civilization</u> (2 Semesters)	10 th : (2 Semesters) Option 1 - <u>European History</u> Option 2 – <u>AP European History</u>	11 th : (2 Semesters) Option 1 - <u>US History</u> Option 2 – <u>AP US History</u> Note: We strongly recommend that these Juniors, since they will not take the European History Course, take the 1 semester course in Philosophy as a suggested prerequisite to the Senior Seminar.	12 th : Take an elective
Electives: Open to all students			
Gov. & Econ.	A. <u>Economics</u> (1 Semester) This course focuses on the principles that apply to an economic system as a whole, with a particular emphasis on markets, the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze and explain economic concepts.	B. <u>AP US Government & Politics</u> (1 Semester) This course provides students with a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of various political relationships and interactions.	C. <u>AP Comparative Gov't & Politics</u> (1 Semester) This course introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes.
Global	A. <u>AP Human Geography</u> (2 Semesters) The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socio-economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.	B. <u>History of Modern China</u> (1 Semester) This course studies Modern China with a focus on developing the historical context necessary to begin to understand the issues and challenges surrounding the People's Republic of China today. Students will be exposed to different periods of modern Chinese history and will approach historical analysis from a variety of perspectives. D. <u>Caritas: Social Entrepreneurship</u> (2 Semesters)	C. <u>The Modern Middle East</u> (1 Semester) This seminar course will examine the history of the modern Middle East, tensions between Sunni and Shiite Muslims in Iran, Iraq, Saudi Arabia, and Yemen, as well as the ongoing conflict between Israel and the Palestinians. Students will develop a critical perspective regarding this volatile region of the world and an appreciation for the tensions and challenges facing the region presently and in the future.
Humanities	A. <u>AP Psychology</u> (2 Semesters) The AP Psychology course introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. D. <u>College, Career, and Personal Skills</u> (2 Semesters)	B. <u>Philosophy</u> (1 Semester) This course addresses the contributions of philosophy to modern thought and social environments. It will be a seminar-style class with reading, discussion, and essay writing, that surveys the major figures and ideas of philosophy from the Greeks to the 21st century with attention to those subjects that impact modern thought or issues of current importance. The development of Western philosophy is examined in an historical and chronological context incorporating a presentation of the times and events that influenced the thought of major philosophers.	C. <u>History of Christianity: The Early Church to the Dawn of the Reformation</u> (1 Semester) This seminar course will examine the Christian church spread and developed. The course will survey the Roman, Greek, and Jewish worlds; insights into the church's relationship to the Roman Empire, with glimpses into pagan attitudes toward Christians; the place of art and architecture, literature and philosophy, in church history; and much more, spanning the time from the first through the thirteenth centuries.

ENGLISH DEPARTMENT All students are required to take four years of high school English courses.

9 th : <u>English 1: Heroes & Destiny</u> (2 Semesters)	10 th : <u>English 2: Heaven, Hell, & Humanity</u> (2 Semesters)	11 th : (2 Semesters) Option 1 – <u>English 3: The American Dream: Illusion or Reality?</u> Option 2 – <u>English 3 Honors: Crossing Borders</u>	12 th : (2 Semesters) Option 1 – <u>English 4: Monsters & Monarchs</u> Option 2 – <u>AP Literature & Composition: Tragic Moments & Timeless Truths</u> Option 3 – <u>AP Language & Composition</u>
Electives: Open to all students			
English Language Development	A. <u>Intermediate ELD</u> (2 Semesters)		B. <u>Advanced ELD</u> (2 Semesters)
Writing Courses:	A. <u>Creative Writing: Poetry</u> (1 Semester) In this workshop, students learn about form, sound, and rhetoric, and explore their uses. Selected poems will be studied and used heavily as mentor texts to provide students with examples from which they will work to draft their own poems. Students will work throughout the semester to develop their own poetry-writing skills, develop their unique poetic voices, and compile a portfolio of original work.	B. <u>Creative Writing: Short Story</u> (1 Semester) In this seminar-style workshop, students learn about narrative, form, style, voice, and various techniques in writing original short stories. Selected short stories will be studied as examples from which students will work to draft their own stories. Students will work throughout the semester to develop their own fiction writing skills, develop their unique voices, and compile a portfolio of original work.	C. <u>College Writing & Research</u> (2 Semesters) Students in this seminar course will develop strong research, critical reading, and academic writing skills through a series of hands-on research and writing assignments, writing and critical reading workshops, and tutorial sessions with the instructor. At the conclusion of the course, students will be able to take a college-level writing assignment/prompt, develop and frame a research strategy, perform scholarly research.
Literature Courses:	A. <u>Best-Loved British Authors + UK Trip</u> (1 Semester) What do Dickens, Shakespeare, C.S. Lewis, Jane Austen, J.R.R. Tolkien, Lewis Carroll, and Charles Wesley have in common? They're some of the world's best-loved authors. The course concludes with a 10-day UK trip to adventure back in time of these authors. D. <u>Clue: The Great Detectives</u> (1 Semester) Explore the simpler origins of the classic "locked room" mystery and English Country House cozies, and the increasingly complex American hardboiled detective stories and period-based or futuristic mysteries. Authors include Arthur Conan Doyle, Agatha Christie, P.D. James, Raymond Chandler, Faye Kellerman, Chester Himes, and others.	B. <u>Reading Wendell Berry</u> (1 Semester) What does it mean to be faithful to a place and its people? Travel to fictional town, Port William, set in rural Kentucky, to discuss good work, tending to what we love, time, forgiveness, relationships, good food, care for the land, and true community; as well as the more difficult realities of loneliness, death, loss, sorrow, and grief. E. <u>Finding God Outside of Christian Fiction</u> (1 Semester) This class would read novels & stories, which deal in overtly religious themes or have overtly religious characters such as priests, but not works popularly described as Christian. Readings also include books that do not specifically intended to defend Christian belief. This class would use separate stories to focus on fundamental Christian questions.	C. <u>What If...Oh No...Science Fiction & Dystopia</u> (1 Semester) <i>This literature class will focus on the classic and cutting edge works of science fiction and dystopias in both short stories and novels. Possible works include Ender's Game, The Martian Chronicles, War of the Worlds, and others.</i> F. <u>The World of J.R.R. Tolkien: Christian Allegory & Celtic Legends</u> (1 Semester) Christian Allegories and symbols as well as Celtic legends of heroes and monsters fill Tolkien's works. Find out how in a deep journey through Middle Earth.
Speech & Debate	A. <u>Public Speaking</u> (1 Semester) This course will introduce students to public speaking and further develop the skills of communication, research, logic, and reasoning. Students will learn to deliver speeches in a variety of public speaking forums, including informative, demonstration, persuasive, extemporaneous, and impromptu. This course will assist students in other educational disciplines, future careers, and personal growth.		B. <u>Competitive Debate</u> (1 Semester) Developing skills in critical thinking, active listening, persuasive speaking, evidence-based writing, and researching, as well as gaining a deeper knowledge of US government policy are the benefits of this course. It also gives students coaching and class credit for their work preparing for the tournaments in the Logos Forensics Association league.

TEACHER'S ACADEMIC ASSISTANT PROGRAM

Students in 11th and 12th grade interested in applying for the teacher's academic assistant program (which focuses on adding academic value to a class) should contact the specific teacher they are interested in working with, discuss the specific requirements and obtain approval. The TA program is a one-year commitment and it will be recorded on the student's transcript (pass or fail) for 5 credits (equivalent of 1 semester credit). Being a Teacher Assistant is an honor and should be sought out by highly committed students (typically students should have at least a 3.0 average to apply). **Approval is needed from prospective teacher and Dean of Academic Planning.**

GRADUATION CREDIT REQUIREMENT: A. Class of 2020: 250 credits; B. Class of 2021: 255 cr.; C. Class of 2022: 260 cr.; D. Class of 2023: 260 cr.