



Advanced Placement
Courses

at Coral Reef Senior High School

Basic Requirements for AP Courses

- Students must meet the following minimum requirements for enrollment in any AP course at Coral Reef Senior High School:
 - 3 or higher in past FSA/ELA Reading Assessments
 - Enrolled in Honors English or higher
 - 1 in effort in all academic courses
- Sitting for the AP Exam in May is a requirement of ALL AP courses, including courses taken through FLVS.

AP World History

Expectations and Requirements:

- Class participation.
- Written homework every night: usually to read 10 pages from a college-level textbook and take two-column notes.
- Nightly studying: for daily quizzes, as well as periodic exams.
- A strong work ethic is a **MUST!!**

Benefits:

- Exposure to the rigor of Advanced Placement classes.
- Preparation for future AP classes.
- Learn how to study and to take reading and lecture notes.
- College credit (if you pass the AP exam).

AP Human Geography

Expectations and Requirements:

- Students should have a 3.0 or higher in World History Honors, American History Honors.
- Students should not be afraid of getting homework.
- Students should know this is a beginning level class with a lot of new terms to learn.
- Student should be able to analyze all types of spatial data on maps.
- Students should be prepared to:
 - write responses to free response questions.
 - read college level textbook.
 - take cumulative exams.

Benefits:

- Students will be able to appreciate the differences of countries in reference to population, culture, agriculture, politics , industry and urbanization.
- Students will be prepared to excel in most liberal arts classes as a result of taking this course.
- College credit may be awarded if they pass the AP exam.
- Students will benefit from one of the most interdisciplinary classes at Coral Reef Senior High School.
- This is a basic class used for many different majors in college.

AP European History

Expectations and Requirements:

- Students must actively participate in class discussions, effectively complete critical writing exercises and essays, and practice historical thinking skills through research and analysis.

Benefits:

- Learn to analyze historical evidence and write analytical and interpretive essays as you explore the major themes of European history.
- Research the past by exploring vibrant and engaging pieces of historical evidence, such as paintings, photographs, letters, and cartoons.
- Deepen your understanding of readings and concepts through regular class discussion.

AP Psychology

Expectations and Requirements:

- Students should have a 3.0 or higher in World History Honors, American History Honors, and English Honors.
- Students should be prepared to:
 - read a college-level textbook and have nightly readings as part of homework
 - learn a lot of new terms that they will be quizzed on regularly
 - write responses to free response questions
 - take cumulative exams
 - have daily quizzes from the previous days lecture

Benefits:

- Explore how psychologists use research methods and critical analysis to explore human behavior.
- Discuss how biological, cognitive, and cultural factors converge to facilitate acquisition, development, and use of language.
- Explore the concepts, theories, perspectives, phenomena and behaviors associated with the subfields and research areas of psychology.
- Analyze the methods psychologists use to study various types of behavior and mental processes and evaluate the validity and significance of their contributions.
- Be able to apply your knowledge in real life.

AP United States History

Expectations and Requirements:

- Students must actively participate in class discussions, effectively complete critical writing exercises and essays, and practice historical thinking skills through research and analysis.

Benefits:

- Advanced Placement United States History is a college-level course providing analysis and evaluation of American historical concepts and themes.
- Historical issues will be studied and interpreted through primary and secondary sources.
- Consistent effort will prepare students to achieve high scores on the AP exam and may earn university/college credit.
 - Scores of 4 or higher allow students to satisfy the required Civic Literacy Competency component of associate in arts or baccalaureate degrees earned through a Florida College System institution.

AP United States Government

Expectations and Requirements:

- Must consistently display outstanding effort. This includes:
 - A. On task behavior in class at all times.
 - B. Constant attention provided in class to the task at hand.
 - C. Always alert and paying attention to what is being discussed in class.
 - D. Participating in class and completing class assignments consistently.
- **GOOD ATTENDANCE IS ESSENTIAL.**

Benefits:

- This is an academically challenging, college level class which prepares you for the rigor of college.
- Many students earn college credit.
 - Scores of 3 or higher allow students to satisfy the required Civic Literacy Competency component of associate in arts or baccalaureate degrees earned through a Florida College System institution.
- Become a well informed citizen.

AP Macroeconomics

Expectations and Requirements:

- Must consistently display outstanding effort. This includes:
 - A. On task behavior in class at all times.
 - B. Constant attention provided in class to the task at hand.
 - C. Always alert and paying attention to what is being discussed in class.
 - D. Participating in class and completing class assignments consistently.
- GOOD ATTENDANCE IS ESSENTIAL.

Benefits:

- Macroeconomics introduces students to fields of study related to business, international business, economics, accounting, financing, and banking, to name a few.
- After high school, many of the problems faced by everyday people deal with economics. Understanding economics is essential to understand how the world works. The educational value of a greater economic understanding IN TODAY'S WORLD IS PRICELESS.

AP Biology

Expectations and Requirements:

- The students must be highly motivated and committed to perform the amount of work demanded by the course. All students are expected to take, and pass, the AP Biology Exam at the end of the year.
- There will be an average reading of two chapters (approximately 50 pgs.) per week plus lab write-ups and other writing assignments throughout the year.
- There will be a chapter test every week, on the last meeting day of the week. Lab-based questions will be included in all chapter tests and in the AP Biology Exam.
- Required materials are a notebook, pen and pencil.

Benefits:

- The course is equivalent to two freshman biology semesters plus two freshman biology labs for biology majors (Four classes in one!).
- Students enrolling in AP Biology will receive two bonus points applied toward their GPA and are eligible to receive up to 8 college credits if they pass the AP national exam.
- Students will benefit from the AP Biology course by being better prepared for college even when they do not pass the national exam.

AP Chemistry

Expectations and Requirements:

- Keep up! Work on AP Chemistry every day. Your grade is directly related to the amount of time you spend working on chemistry. Expect to spend 3-5 hours each week on AP Chemistry out of class.
- Be here! Regular attendance is essential since a classroom experience cannot be reproduced for an absent student.
- Participate in class.

Benefits:

- This course will cover two semesters of college chemistry lecture and lab.
- You have the possibility of earning college science credit in chemistry while still in high school.
- AP Chemistry looks great on your transcript or on a letter of recommendation.
- You can learn College Chemistry in a small class. Most college chemistry courses are in an auditorium with 200-300 other students.

AP Environmental Science

Expectations and Requirements:

- Students use a variety of methods to build their own understanding of the relationships between humans and the natural environment. The broad range of topics in this course will require students to begin with basic knowledge of earth-space science, biology, and chemistry. Students will be using their own experimental data and analyzing published case studies to explore the interactions of various environmental components.
- Topics covered on the AP Exam:
 - I. Earth Systems and Resources: 10-15%
 - II. The Living World: 10-15%
 - III. Biological and Human Populations: 10-15%
 - IV. Land and Water Use: 10-15%
 - V. Energy Resources and Consumption: 10-15%
 - VI. Pollution: 25-30%
 - VII. Global Change: 10-15%

Benefits:

- The course shows how ecological realities and the material desires of humans often clash, leading to environmental degradation and pollution. Emphasis is placed on the individual to become scientifically literate citizens and to learn how to live more sustainably on this planet.

AP Physics 1

Expectations and Requirements:

- Chemistry Honors or teacher's recommendation.
- Regular Physics or Honors Physics Highly recommended.
- Students must be able to follow basic lab procedures.
- Must have required class material at all times, including:
 - A. Notebook
 - B. Textbook
 - C. Calculator (graphing preferred)
 - D. Writing utensils

Benefits:

- AP Physics 1: Algebra-based and AP Physics 2: Algebra-based are the equivalent of the first and second semesters of an introductory, algebra-based Physics college course. Because these courses are intended to be yearlong courses, teachers have time to foster deeper conceptual understanding through student-centered, inquiry-based instruction. Students have time to master foundational physics principles while engaging in science practices to earn credit or placement.

AP French Language

Expectations and Requirements:

- This class allows students to broaden their knowledge of the French language and the francophone world. The class is conducted almost exclusively in French and students are expected to actively participate in French. Students will be required to listen to authentic French audio sources; provide spoken/written summaries of French audio/text; compare/contrast francophone cultures with their own; and write comprehensive essays on various themes. Students should have at least 3 years of French studies prior to signing up for the class.

Benefits:

- Thematic study of contemporary Francophone societies and cultures.
- Develop language proficiency in real life settings through use of authentic sources taken from examples of contemporary life throughout the French-speaking world.
- Build communication skills through various methods and strategies.
- Learning French is beneficial for a multitude of reasons including employment, travel, cooking, participation in international sporting events, fashion, increasing English vocabulary, and developing a broader view of the world, to name a few.

AP German Language

Expectations and Requirements:

- Students are expected to perform the following in the German language:
 - Engage in spoken interpersonal communication
 - Engage in written interpersonal communication;
 - Synthesize information from a variety of authentic audio, visual, and audiovisual resources;
 - Synthesize information from a variety of authentic written and print resources;
 - Plan, produce, and present spoken presentational communications; and
 - Plan and produce written presentational communications.
- The class is conducted almost exclusively in German and students are expected to actively participate in German; Therefore, students should have at least 2-3 years of German studies prior to signing up for the class.

Benefits:

- Use authentic sources such as German websites, podcasts, newspaper and magazine articles, films, literary excerpts, and video and music clips to develop language proficiency in real-life settings.
- Build communication skills through letter-writing, interactive journals, class discussion, essay writing, and oral presentations.

AP Spanish Language

Expectations and Requirements:

- Students are expected to perform the following in the Spanish language:
 - Engage in spoken interpersonal communication
 - Engage in written interpersonal communication;
 - Synthesize information from a variety of authentic audio, visual, and audiovisual resources;
 - Synthesize information from a variety of authentic written and print resources;
 - Plan, produce, and present spoken presentational communications; and
 - Plan and produce written presentational communications.

Benefits:

- Besides improving their Spanish comprehension, speaking, and writing abilities, the AP Spanish Language and Culture Course will help students achieve the following:
 - A. Understand their own home language and culture better as they practice analyzing and comparing with the different Hispanic regionalisms, practices, and perspectives throughout the world.
 - B. Become well-informed global citizens able to compete in the 21st century.
 - C. Obtain up to 6 college credits after passing the AP exam at the end of the school year.

AP Spanish Literature

Expectations and Requirements:

- The authors studied in this course are major writers with a complex vocabulary and highly artistic expression. For these reasons the students who wish to enter this course must demonstrate a high level of linguistic ability.
- Every student must be able to read critically the prose and poetry of each of the authors, write analytically, and engage in close, detail, and critical examination of the text.
- Every student must be able to express ideas in Spanish with clarity, coherence and fluency in both oral and written communication, at a level commensurate with the complexity of the literature to be studied in the course.

Benefits:

- Earn College Credits
- Learn how to analyze a literary text and to engage in deep analytical thinking.
- Learn to relate the literary works studied to other literatures of the period and to observe the ideological changes of different epochs.
- Know the authors and their most significant works in Spanish and Spanish-American literature.
- Learn how to relate literary works to their historical, social and cultural contexts.

AP English Language

Expectations and Requirements:

- There are no prerequisite courses for AP English Language and Composition.
- Students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing.
- Teacher recommendation is required.
- Visit: apstudent.collegeboard.org/apenglishlanguage for more information.

Benefits:

- Strengthen the effectiveness of your writing through close reading and frequent practice at applying rhetorical strategies, analyzing information from source texts, and writing arguments.
- Become a critical reader of predominantly nonfiction works, including expository, argumentative, analytical, and personal texts from various authors and time periods.
- Enhance your own writing skills and understand better each stage of the writing process as you develop expository, analytical, and argumentative compositions.

AP English Literature

Expectations and Requirements:

- There are no prerequisite courses for AP English Literature and Composition; HOWEVER, students should be *avid* readers, anticipating the study of several full-length novels, plays, and shorter works.
- Students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing. Scores of 4 and 5 on FSA writing are desirable, but not required.
- Teacher recommendation is required.
- Visit: apstudent.collegeboard.org/apenglishliterature for more information.

Benefits:

- Experience a number of great literary works from across the spectrum of genres and periods beginning in June with summer reading, and stretching throughout the year.
- Develop and fine tune your writing skills, as you analyze a variety of passages of prose writing, a diverse selection of poetry, and several major works of literature, including novels, plays, and epic poems.
- Earn college credit in an array of disciplines, including composition, literature, humanities and open elective classes, depending on the needs that remain open as your transcript is reviewed.

AP Calculus AB



Expectations and Requirements:

- Final Grade of A or High B in Honors Pre-Calculus.
- Work with the unit circle and all trigonometric identities.
- Be fully committed to passing the rigorous AP Calculus AB exam.
- Understand that AP Calculus is equivalent to a college level calculus course.
- Be able to solve real world application problems.
- TI Graphing Calculator is Required.

Benefits:

- Small class setting versus auditorium style teaching at universities.
- Potential college credit if successful in passing the AP Calculus exam.
- Knowledge of Calculus is useful for solving many Physics problems.
- Exposure to college level mathematics.

AP Calculus BC

Expectations and Requirements:

- This is an Advanced Placement **MATH** class. Students in this class are expected to take the AP Calculus BC test.
- This is considered to be a college-level course. As such, you will be treated like college students. **This means that more of the responsibility for your learning lies in your own hands than you may have been accustomed to.** Do the work necessary and take the responsibility to seek help when you need it.
- AP Calculus BC covers abstract concepts compared to AP Calculus AB, which focuses more on the applications of calculus.
- Take this class if:
 - A. You feel confident about your math skills after taking your AP Calculus AB course.
 - B. You LOVE to challenge yourself!

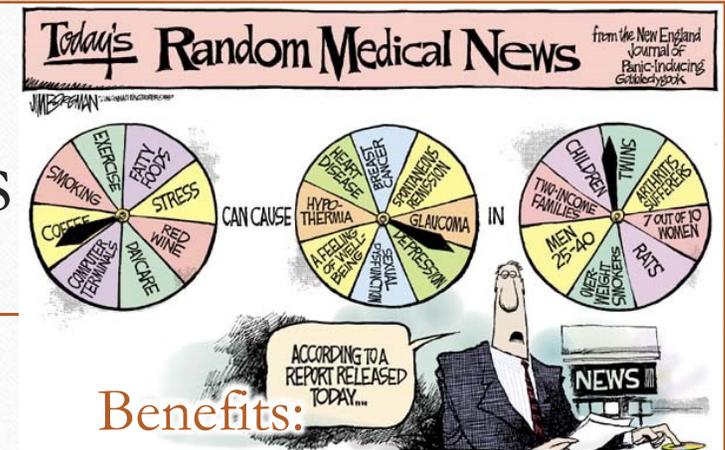
Benefits:

- Students who perform well on this standardized test may be eligible to bypass introductory calculus classes at college. The exact amount of credit will depend on the test score, and on which college you choose to attend.
- If you are fairly certain you want to pursue engineering, natural sciences, or pre-medicine studies in college, this class will prepare with the skills you will need to succeed in your courses.

AP Statistics

Expectations and Requirements:

- Anyone who has completed Pre-calculus is eligible to take AP Statistics. Your commitment to do college-level work is just as important as your math background.
- It's a college course, so the expectations are high. You'll be expected to do homework every day, and not just math problems. There is reading and writing involved. In fact, if you think math is all formulas, equations, and calculations, you'll soon find that this isn't really a math course. It's a course in reading, analyzing, thinking, and writing clearly.



Benefits:

- You'll learn how to collect, organize, analyze, and interpret data. Because it's an AP course, you can earn college credit for this course.
- Many former students have returned after a couple of years in college to say that AP Stats was the most important and helpful course they took in high school.
- In the work place, statistics is used by many **companies**.
- **Doctors** must know reliability of medicine and treatments.
- Products such as **pharmaceuticals** require significant evidence of effectiveness and safety.
- **Courts** inquire about statistical significance in hearing class action discrimination cases.
- **Advanced Placement Statistics** provides the opportunity for students to learn how to make good decisions with data.

AP Music Theory

Expectations and Requirements:

- Students should be able to read and write musical notation, and it is strongly recommended that the student has acquired at least basic performance skills in voice or on an instrument.

Benefits:

- Practice and develop musical skills that will help you build your understanding of music composition and music theory.
- Develop your music vocabulary through class discussion and written analysis of listening selections.
- Learn to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score.
- Develop your aural, sight-singing, written, compositional, and analytical skills through a series of listening, performance, written, creative, and analytical exercises.