

AP Physics C Syllabus



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Office hours: Tutorial day2 and afterschool days 2,3,7,8 and/or by appointment.

Synopsis The course is equivalent to the full year of a college calculus-based physics course for physicist and engineers. Successful completion of this course and the College Board AP Physics C exam(s) in May will result in 10 college units in physics and count towards a major in physics or engineering. Taking the exam is a requirement of this course. The course emphasizes high level problem-solving techniques, real-life labs and a deep understanding of physics concepts.

Required *Physics 5th edition*, Resnick and Halliday , Volumes 1 and 2
A thin, three-ring binder for homework, warm-ups, handouts, and projects
Scientific calculator

Grading Your course grade will be calculated as follows

Exams	50-100 points each	every 2-3 weeks
Quizzes	10-25 points each	approx. every week
Project/Lab	50-100 points each	every quarter
Semester Final	200-300 points	end of term

If you receive a grade of **C** or below on a particular exam, your grade will be locked. This means your exam grade will count as your semester grade unless you unlock it. To unlock your grade, simply write up test corrections and turn them in. Test corrections should look neat, wordy, clear, include a sketch (if applicable) and should be turned in attached to the original exam. If you receive an exam grade below a **C-** , turn in the test corrections as normal, but also see me after school within one week to take a makeup test that can raise your exam grade to a **C-**.

Expectations I expect you to never give up. I expect you to dive into the intellectual challenge provided by calculus physics and to keep working, asking questions and trying things until you have a deep understanding. I expect you to be curious and to have fun.

It is expected that you will work on the homework nightly. You must do the homework the night it is assigned or you will hold yourself back (and possibly the rest of the class). Once you fall behind in this class it is very difficult to catch up. It is perfectly OK (and expected) to bring in well thought out questions instead of the solution to a homework problem. We are all here to work hard, to learn and to have fun. Respect your classmates and yourself by giving your best effort.

If you miss a full-period quiz or exam due to illness or retreat, you will be responsible for making up the quiz or exam after school within one week.