INSTRUCTOR: Dr. John E. Poling, room 180-509, email (jpoling@calpoly.edu), web page (http://www.calpoly.edu/~jpoling). If you send me an email be sure to include Phys 132 on the subject line.


OFFICE HOURS: My office hours will be from 3:30-4:30 on Tuesday and Thursday, and from 11:00-12:00 on Wednesday. I encourage you to come to my office for help with the course.

EXAMS: I will give you two midterm exams and a final exam. The midterms are tentatively scheduled for the following dates: Exam 1 on Thursday 4/24 and Exam 2 on Thursday 5/29. The final exam at the officially scheduled time on Thursday 6/12 from 7:10 - 10:00 pm. The final exam will be given only at the officially scheduled time.

Most of the problems on the midterm exams will be similar to the homework that was assigned, to example problems I do in lecture, and to example problems in the text. If you understand and are able to work these problems by the time an exam is given, you should do reasonably well on the problem section of the exam. Students who do not work the homework carefully usually get low scores on the exams. There will be a few conceptual questions on each exam in addition to the problems.

You should bring your calculator to each exam (any type of calculator is acceptable, but you may not use your cell phone as a calculator). You should also bring a single three inch by five inch card of notes and equations to each midterm exam. I will provide the constants you will need but I will not provide any equations during an exam, so you should to bring all of the equations you will need. You will be allowed to bring two cards of notes to the final exam, probably the two cards you made for the two midterm exams. You should leave a little room on the second card for equations from the two lectures between the second midterm and the final. The cards must be handwritten and you may write on both sides. I do not allow photocopied or computer printed cards and your cards must not be larger than three by five inches. You may use the equivalent area on one side of a regular sheet of paper if you prefer that to note cards.

If you are going to miss an exam for some good reason, you must notify me before the scheduled exam time. You may notify me in person, or by email (be sure to include 141 in the subject line. You must also communicate with me before the next meeting of the class so that we can decide when and where you will take the makeup exam. I will offer you a makeup exam only if you follow these rules, and I will allow you only one makeup exam during the quarter.

CELL PHONES: Cell phones may not be used during the lectures so please put them away when I begin the lecture. If you need to make or receive a call or a text, please leave the room while you are using your phone. If you need to use the bathroom during an exam, you must leave your cell phone on the front desk while you are out of the room.

IMPORTANT SURVIVAL INFORMATION: Forgetting your calculator or your note card/s will cause you a very serious handicap on an exam. Try not to put yourself into that position, but if you do please tell me about it before you begin writing the exam. I will allow you to go home to get your materials and begin the exam late, but once you have started writing the exam you must finish it. If you are significantly late for an exam I will give you extra time at the end of the exam, but I will do this only once. If you were too sick to prepare properly for an exam or feel too sick to take the exam once you arrive, tell me about your difficulty before you begin writing the exam. Once you begin writing an exam it is too late to put it off.

It is important to make a good effort from the very beginning of the quarter. If you are having significant health or personal problems which may interfere with your work this quarter, please communicate with me early in the quarter or soon after the problem occurs. I may be able to help you to successfully complete the work for this class.
**WARNING TO FRESHMEN:** Many students find their physics courses difficult. You are going to need to study a lot more at Cal Poly than you did in high school, particularly for your physics courses. Please consider yourselves warned. The failure rate for freshmen is significantly higher than for more experienced students. Surviving Phys 141 does not guarantee that you will survive Phys 132, though it suggests that you might.

**HOMEWORK:** The assigned homework problems are listed on the Lecture and Homework Schedule. I will not collect the homework. Answers to all odd problems are provided in the back of the text. I will provide my own handwritten solutions for all of the assigned homework problems on my web page. You should try to work the assigned homework problems on your own, and then check your answers either in the back of the text or on my web page. Don’t look at the solution on my web page until you have made an honest attempt to work a problem. If you are not able to complete a problem, you should look at my solution to get an idea about how to do the problem and then try to finish the problem on your own. If you complete a problem and get the correct answer you should still look at the solution on my web page because the solution may show you a different way to do the problem or may provide additional information about the problem.

If you are having difficulty doing the homework, you should visit me during my office hours or go to the Physics and Math Learning Center for help. The schedule for the Learning Center will be provided on the Physics Department web page, and I will provide a link from my web page. If you are having serious difficulty with this course you should consider getting a tutor. The Physics Department office keeps a list of Physics Majors who tutor.

A few students each quarter tell me the reason they are receiving a low grade is that they did not put a real effort into doing the homework until it was too late. They usually say something like, “You warned me but I didn’t do the homework - this is my fault.” Try not to be one of those students at the end of the quarter.

**LABORATORY:** This is a “chained section” of Phys 132 so everyone in the lecture will also be in one of the two lab sections I teach on Wednesdays. Your laboratory points will become about 15% of your total course points.

**ATTENDANCE:** I will take attendance most days and I will give you 9 extra credit points if you miss no more than two lectures. These extra credit points will be a gift from me for good attendance. Each class missed beyond two will cost you 3 of the extra credit points.

The first two lectures you miss will not be excused for any reason, even if you have a well documented reason for missing. If you miss more than two lectures and can provide formal written documentation of an acceptable reason for missing class (doctor appointment, class field trip, athletic team travel, etc.), I will excuse the absence and you will not lose extra credit points.

**YOUR GRADE:** Grading scales (without +/-) for the three midterm exams will be provided in class to give you an idea of how well you are doing as the quarter progresses. I will use +/- grading for your course grades at the end of the quarter.