

Physics 133

Winter 2009

Course Information

Instructor	Rich Saenz Science (52) D45, Ext. 2065 Email: rsaenz.at.calpoly.edu Home page: http://www.calpoly.edu/~rsaenz
Lecture	MWF @ 3 in Science (52) E-46
Office Hours	MWF 10:30, MW 4-4:30; and right after class, or anytime I am in my office
Text	R Knight – <u>Physics for Scientists and Engineers</u> (1 st edition)
Homework Website Info	http://www.masteringphysics.com Course ID: P133W09SAENZ, Assignment 1 due by Friday, January 9 @ 9pm
Exams	The plan is to have two midterms, and a few short quizzes, and the Final: Monday, March 16 @ 1pm
Homework	We will be using the Mastering Physics Homework Service. Most of your homework will be posted on that website and must be submitted there. You must register yourself at the site Each assignment will have a deadline imposed by the website. You will also be asked to "hand in" approximately one problem per assignment for more detailed grading.
Physics Learning Center	a good place to get some help - in room A3 - open 9-2, most days
Final Grade	Will be determined using the approximate weighting: Midterms & quizzes -- 55% Homework -- 10% Final -- 35 Note that you must Pass the lab in order to Pass the course – your lab grade will be used in borderline cases.

Homework: Each homework assignment will be entered on-line using the Mastering Physics system. (And you will be asked to 'write up' one problem per assignment, to hand in – this is good practice for what you have to do on an exam). The problems are listed on the class schedule. They are from the book, but you will turn them in on-line. Some of the problems will have randomly generated numbers. In this situation it is helpful to solve the problem symbolically, rather than immediately plugging in numbers. I recommend that you first solve the problems symbolically. Substitute the numbers from the book and see if they give the answer at the back of the book. Then you can substitute the on-line numbers. Solutions will be posted on the website after the week they are assigned. Computers can be frustrating. Don't let them be. Spend a reasonable amount of time. If things are not working, send me an email. We can clean up the details later. However, the problems are from the back of your book, so you should still be able to solve the problems symbolically and enter the answers later.

Homework Notebook: It's a good idea to record your homework in a binder or in a spiral bound notebook – with each solution written as you would for an exam, or to hand in. It will be useful when studying for exams.

Workbook and Activities: will be assigned at various times – both in class and out of class – and some will be collected.

Chapter 25	2, 3, 4, 5, 6, 9, 12, 13, 16, 19, 21, 22, 23, 24, 26, 30
Chapter 26	2, 3, 5, 9, 13, 15, 20, 24, 27, 28, 30, 33
Chapter 27	3, 4, 5, 7, 9, 10, 12, 13, 16, 17, 20, 22, 23
Chapter 28	4, 7, 8, 13, 14, 19, 22
Chapter 29	2, 4, 7, 9, 13, 15, 17, 19, 20, 22, 23, 25, 29
Chapter 30	1, 2, 4, 5, 6, 8, 10, 12
Chapter 31	1, 3, 4, 7, 9, 11, 14, 16, 17, 18, 20, 21, 24, 26, 27, 31, 32, 33, 35
Chapter 32	2, 3, 6, 8, 10, 12, 13, 16, 18, 22, 23, 27, 28, 29, 31, 35, 38, 40