

Syllabus for Physics 1443 Spring 2010 - M/W 1:00-2:20, SH 101

Professor

Dr. Ramon Lopez, SH 8 or SH 10 (in the basement) , relopez@uta.edu, Ext. 20386.

Office hours: Monday/Wednesday, 11:00-12:00 or by appointment.

By far the best way to reach me is by email. If you leave a phone message it could be a week or more before get back to you. Please use your UTA email address. I will not respond about confidential matters to non-UTA addresses. **Read your UTA email regularly.** I will send out important information to the class that way.

Text: Physics for Scientists and Engineers, Giancoli, 4th edition (Vol 1.)

Homework website: <http://www.masteringphysics.com/>

Grading

Your grade will be computed according to the following percentages:

Homework - 20%

Your textbook **if bought from the bookstore** comes with access to a homework website - Mastering Physics. You need to go there and register for class with course ID MPLOPEZ57245

Lecture - 5%

Bring an index card to class. At the end of lecture you will be given one or two minutes to write down something that you learned in lecture or something about which you have a question. Print your name at the top of the card and turn it in before you leave. Completed, turned-in cards will be counted for full credit.

Midterm Exams (3) - 35%

Exams will be given in lecture and announced 1-2 weeks in advance. The first exam is scheduled for Tuesday September 16. The lowest exam score will be dropped.

Comprehensive Final Exam - 30%

Lab grade - 10%

Course content

This course will cover the following topics (chapters 1-20 in the book):

Vectors, Kinematics, Newton's Laws, Statics - EXAM 1

Momentum, Work and Energy, Collisions, Fluids, Oscillations - EXAM 2

Waves, Sound, Rotational Dynamics, Gravity - EXAM 3

Thermal Physics (tested on final exam only)