Physics 221 Recitation & Lab
Section 221007 (Spring 2007)

Recitation: Neilson 608, 3:35-4:25 Wednesday
Lab: Neilson 508, 4:40-6:35 Wednesday
Levi Greenwood (lgreenwo@utk.edu)
Office Hours: Neilson 303, 11-12pm Monday

Course Syllabus:
Welcome to physics 221! In this class you will learn...

how to determine flying-object trajectories
what is the minimum height necessary for a 10 second parachute drop (given that you have to count to ten)
can Newton's laws improve your air-hockey game?
why pendulum clocks keep perfect time
impress your friends with a nuanced understanding of figure skating
why things float
why your room always has and always will get messy
everything you wanted to know about sound waves, and still more
the basics of light, refraction and reflection
the Doppler effect
and much, much more!

Recitation:
Ideally recitation is a time for asking questions. So try to think of a few. I would rather answer your questions than talk idly about the chapter. If there are no questions we will go over some concepts, review homework and on occasion I will prepare a small lecture relating to the latest chapter. You should take notes and ask questions.

Because physics is a mathematical science I will often have to answer questions using basic equations. Try to follow along; the ability to connect problem with equation in physics is what makes the A-student. Finally, we will review for the lab.

Although it is a more casual affair please show the same courtesy you would in any other class and try to be on time and prepared for discussions. I believe the only way to learn physics is by doing it, so there will be a quiz at the beginning of every recitation (see 'Lab' and 'Grading'). Think of the quizzes as practice for your next exam.
Lab:
From recitation we go directly to lab. You should read and understand the
day's lab before coming to class. For the sake of motivation I will give quizzes
at the beginning of recitation on the current lab. Each quiz will be designed
such that a solid reading of the lab will guarantee a good grade.

For each lab you will be required to do a lab write-up. You will work in pairs
in the lab, and take data with your teammate, but you are to TYPE each lab
report individually. I recommend doing this just after lab when the
information is still new (see attached outline).

Lab safety is important so please do not bring anything that will disrupt or
distract other students.

Attendance:
There will be one makeup day at the end of the semester to make up one
excused lab. Any number of labs more than one, or any unexcused lab will
have to be graded zero. This is school policy.

Grades:
70% - Lab reports
30% - Quizzes

Students with unique circumstances:
Please notify me as soon as possible about any condition that might interfere
with your ability to perform any lab at an optimal level.