Physics 1408 Principles of Physics I Lab/Recitation
Fall 2009
Syllabus

Lab Section Number: _____

Lab Instructor: _____

Lab meeting place: SC 105

Course Description: Each meeting will consist of a laboratory experiment followed by a one-hour recitation. Topics covered include measurement, kinematics, forces, gravity, energy, momentum, rotation, fluids, and oscillatory motion. The purpose of the recitation section is to help students learn problem-solving strategies. Material discussed in recitation can include problems from the lab exercises, homework, or lecture examples.

Text: Laboratory Manual Principles of Physics I (ISBN 9780470527467)

Grading: Each class meeting is worth points toward your final lab section grade. This grade will be reported to the lecturer for the course and will be incorporated into the final course grade. You will have 11 lab meetings. In each lab meeting you will have a pre-lab worksheet (in the manual) or a quiz, a lab to do, and recitation to participate in. The lowest one of the eleven lab meetings will be dropped. In calculating your grade the remaining 10 lab meetings will be divided as follows.

15% pre-lab worksheet or quiz
70% lab exercise and write-up
15% recitation participation

Pre-lab Worksheets or Quizzes: Some labs will have a pre-lab worksheet which should be completed and turned in to the instructor before the lab meeting starts. Some labs will not have the pre-lab-worksheet, instead the TA will give a short quiz over the lab activity to follow. You should read the lab before you do it so you are ready AND so you can either do the worksheet or the quiz.

Lab activities for Fall 2009 PHYS 1408

Lab	Date	Activity
	Aug 27-28	NO LAB MEETINGS
1	Aug 31-Sept 4	Measurement, mass, and density
	Sept 7-11	Labor Day NO LAB MEETINGS
2	Sept 14-18	Introduction to motion
3	Sept 21-25	Force and motion
4	Sept 28-Oct 2	Force, mass, and acceleration
5	Oct 5-9	Gravitational forces
	Oct 12-16	Fall Break NO LAB MEETINGS
6	Oct 19-23	Work and energy
7	Oct 26-30	Conservation of energy
8	Nov 2-6	Newton's third law/Conservation of momentum
9	Nov 9-13	Rotational motion
10	Nov 16-20	Fluid mechanics
	Nov 23-27	Thanksgiving NO LAB MEETINGS
11	Nov 30- Dec 4	Periodic motion
	Dec 7- 11	Classes end W Dec 9 NO LAB MEETINGS