

Syllabus for PHYS222
Laboratory Physics for Science and Engineering
Spring 2008

Laboratory Location: Room 103B Lewis Hall

Professor – Rob Kroeger – Instructor of record and final arbiter of grades.

Office/phone/email: Lewis Hall Room 205 / 915-7921 / kroeger@phy.olemiss.edu

Office hours: MWF 11:00 – 12:-00, or by appointment

Teaching Assistant- Heath Rice

Office/email: Room 104 Lewis Hall / herice@olemiss.edu

Office hours: Wed 10:00-11:00

Website: <http://www.phy.olemiss.edu/~herice>

Text/Lab notebook – Halliday, Resnick and Walker / *A lab notebook is required.*

Corequisite – PHYS212 is required

Lab Physicist – Thomas Jamerson

Goals: In this course you will perform experiments that complement the concepts studied in the corequisite lecture course, PHYS 212. You will learn laboratory skills and gain an understanding of laboratory measurements and their uncertainties. As in most physics classes, critical thinking, analytical reasoning and problem solving skills will be emphasized.

Grading Scale: A's: 90-100; B's: 80-89, C's: 70-79, etc.

Grades will be based on quizzes, pre-labs , lab reports and lab final:

Quizzes and prelabs	30%
Lab reports	60%
Lab final	10%

Lab attendance: Attendance is mandatory. A zero grade will be assigned for unexcused absences. If you have to miss an experiment get approval from professor or laboratory physicist beforehand.

Pre-lab/Quizzes: You will be required to turn in a pre-lab at the beginning of each lab. A quiz will also be given at the beginning of lab. If you arrive late for lab, you will receive a zero quiz grade. Pre-labs, experiment procedures and tutoring times can be found at

<http://relativity.phy.olemiss.edu/~thomas/>

Lab report rules:

- 1) Lab reports are due as per instructions given in lab
- 2) All recorded data should have units and a reasonable number of significant figures.
- 3) See separate lab report format for how to write your report.