

## COURSE OUTLINE FOR PHYS 221 (LABORATORY PHYSICS FOR SCIENCE AND ENGINEERING)

LAB LOCATION:	103B Lewis Hall
LAB HOURS:	Mon 12:00-1:50pm (Section 1) Wed 1:00-2:50pm (Section 4)
PROFESSOR:	<b>Emanuele Berti</b> (Instructor of record and final arbiter of grades)
OFFICE:	205 Lewis Hall
OFFICE HOURS:	Tue & Thu 5:00pm-6:00pm, or by appointment
EMAIL:	berti@phy.olemiss.edu
PHONE:	662-915-1941
TEACHING ASSISTANT:	<b>Paul Rogers</b>
OFFICE:	104 Lewis Hall
OFFICE HOURS:	Fri 8-10am
EMAIL:	pdroger1@olemiss.edu

### TEXT/LAB NOTEBOOK:

Raymond A. Serway, John W. Jewett,  
*Physics for Scientists and Engineers, 8th Ed., Vol. 1* (including Enhanced WebAssign)  
Cengage/Brooks Cole  
ISBN: 9781111661731

*A lab notebook is required.*

### LAB PHYSICIST:

**Thomas Jamerson**

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

### COURSE DESCRIPTION:

In this course you will perform experiments that complement the concepts studied in the corequisite lecture course, Phys 211. 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.

### LAB POLICY:

Students are to be held to criteria put forth in the lab policy. Please read!

### EVALUATION:

GRADE TYPE: Whole Letter Grade (A–F)

GRADE RANGES: 

- A: 90% and up
- B: 80-89%
- C: 70-79%
- D: 60-69%
- F: less than 60%

WEIGHTS: 

- 35%: Quizzes and prelabs
- 65%: Lab reports

### LAB ATTENDANCE:

Attendance is mandatory. You will be allowed one drop grade (i.e., one lab report and one lab quiz). If you have to miss a lab for any reason-that will be your drop grade. A zero grade will be assigned for all other unexcused absences.

### 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.