Department of Physics and Astronomy
Physics 224: Lab Syllabus for Sections 5.
Instructor of Record: Dr. Thomas Marshall (marshall@olemiss.edu)
TA: Sumedhe Karunarathne
Lab Physicist ~ Beth Roberts http://www.phy.olemiss.edu/~broberts/

Required: General Physics Laboratory Manual, 2010 Edition; Composition Notebook; calculator; pen; USB drive

ATTENDANCE:
1. Three (3) or more lab absences for any reason result in an automatic F grade for the semester.
2. You must attend the lab section for which you are registered.
3. No make-up labs will be given for ANY reason.
4. If you are absent for a lab, you will receive a grade of zero for Quiz, Exam, and Lab Report.
5. There will be no drop grades.
6. There will be extra credit opportunities.

OBJECTIVES:
This laboratory course is designed to provide ‘hands-on’ experience of the physics concepts discussed in the co-requisite General Physics lecture course, Phys 214. Together these two courses provide an introduction to electricity, circuits, magnetism, electromagnetic waves, optics, and the wave nature of light. The three main objectives of this course are (1) to learn and understand the physics concepts tested in the laboratory, (2) to develop laboratory skills, and (3) to be able to use the concepts to solve physics problems. As in most physics classes, critical thinking, analytical reasoning, and problem solving skills will be emphasized, and, since this is a lab class, practical skills will also be emphasized. These abilities are crucial in physics and can be carried over into many other fields or endeavors.

GRADE INFORMATION:
Every assignment is an individual effort. Honor and integrity are expected and enforced. Details regarding lab policy and assignments are provided in your lab manual and on the Lab Physicist’s website. All assignments are due/given at the beginning of lab. An assignment is a pre-lab, quiz, report, or exam.

- **Pre-Lab** – Checked for completion only. If it is incomplete or late there is a 10-point penalty on the corresponding quiz grade. Each one is perforated; tear it out, clean up the edges, and turn it in.
- **Quiz** (100 pts maximum) – Timed. The focus is on the current experiment each week.
- **Report** – Written for each experiment you perform. **There are two types of reports, partial lab reports and full lab reports. Maximum credit for a partial report is 70 pts. Maximum credit for a full report is 100 pts.** Most reports will be partial reports. Your TA will notify you when a full lab report is required. **The required format for a Full Lab Report is on Page 4 of your lab manual; the Partial Lab Report Format is on Page 5 of your lab manual.** Lab reports are due at the beginning of the next class. Late assignments are penalized; refer to your lab manual for penalties.
- **Exam** (100 pts maximum) – Timed. The focus is on the previous experiment each week.
- Grades will be posted on Blackboard so that you can verify and keep track of your grades in lab. Any mistake(s) in grading must be corrected within one week. Keep all graded assignments until your final grade is posted at the end of the term. Grading mistakes will not be corrected without the TA-graded assignment.

**Final Grade**
Quizzes, 15%, + Exams, 25%, + Reports, 60% = 100%

**Letter Grade:** 100 ≥ A ≥ 90  90 > B ≥ 80  80 > C ≥ 70  70 > D ≥ 60  60 > F ≥ 0
**Accommodations for Disabilities**

It is University policy to provide, on a flexible and individual basis, reasonable accommodations to students who have disabilities that may affect their ability to participate in course activities or meet course requirements. Students with disabilities, which have been verified through the Office of Student Disability Services, need to contact me at the beginning of the semester to discuss their individual needs for accommodations.