University of Mississippi  
Department of Physics and Astronomy

Physics 223 Syllabus Fall, 2017  
Laboratory for Physics 213

Instructor of Record:  
Dr. Bin Xiao – 121A Lewis Hall; bxiao@phy.olemiss.edu  
Lab Physicist:  
Dan Miller – 121 Lewis Hall; dbmille2@olemiss.edu

Required Materials: Lab notebook, calculator, and thumb drive.

Course information is available on the lab physicist’s website:

http://www.phy.olemiss.edu/lab/genlab/

**Lab attendance: Attendance is mandatory. A zero grade will be assigned for absences. Missing three labs will result in a final grade of F.**

**Graded Work**

Outside of Lab:

- PreLab – PreLabs can be found on the lab physicist’s website. PreLabs are to be printed out and completed in preparation for every lab. If it is incomplete or late there is a 10% penalty on the corresponding lab report or worksheet grade. The prelab is graded solely for completion.
- Lab Reports – Students are required to write two lab reports. Lab reports are due as announced. Lab reports must be submitted in paper form and electronically to Blackboard. Lab reports are considered late until both forms have been submitted.
- Extended data sheets – Some labs may have parts which can be completed outside of lab. Your TA will let you know when this is relevant and when the extended data sheet is expected to be returned.

During Lab:

- Quiz – Timed and at beginning of class. The focus is on the current experiment.
- Exam – Timed and at beginning of class. The focus in on the previous week’s experiment, but may also include questions from any previous experiment.
- Students will complete a worksheet as they go through each experiment; it is due by the end of the lab.
- Math Exam – One math exam will be given to test requisite mathematics skills. Relevant topics and practice text may be found at the end of the Lab Manual Appendix, link provided on the webpage.

Late Policy: Lab reports are subject to the following late policy.
- 0-24 hours late: 10% deduction  
- 24-48 hours late: 30% deduction 
- >48 hours late: zero grade

Plagiarism Policy:
- As per the M book, in cases of plagiarism both the student who copied and the student who provided the copied material will be penalized in the same manner. Sharing lab reports for any reason is strongly discouraged.

Grades will be posted on Blackboard so that you can verify and keep track of your grades in lab. 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.

Your final grade is based on: Quiz Avg: 10%. Exam Avg: 25%, Worksheet Avg: 40%, Lab Report Avg: 20%, Math Exam: 5%

Grading Scale: 
- A ≥ 90 > B ≥ 80 > C ≥ 70 > D ≥ 60 > F

The instructor of record reserves the right to decide whether or not to curve any/all grades.

Additional Lab Rules:
- All recorded data should have units and a reasonable number of significant figures.
- See the lab physicist’s website for how to write your report and anything not mentioned above.
- No food or open drinks are allowed in the lab. If you have a sealed drink you must keep the cap on.
- Cell phones must be face down, on the front corner of the desk during the quiz and exam.