

Physics 214 Syllabus

Spring 2018

Instructor: Robert Lirette
Office Hours: T/TR 1:00 - 2:00 pm
Office: Lewis 104

E-mail: rlirette@go.olemiss.edu
Class: T/TR 2:30 – 3:45 p.m.
Location: Brevard Hall Rm 134

Purpose and Objective

The purpose of this course is to introduce fundamental concepts of Physics covering the topics of electricity and magnetism, electric circuits, optics, and special relativity. The goal of this course is to accomplish the following objectives:

- Learn the basic concepts/principles of physics.
- Develop problem solving skills applying these principles to realistic situations.
- Develop a sense of logic and intuition that will benefit students in whatever profession they choose.

Text Book

- Giancoli, D. *Physics: Principles With Applications*, 7th Ed.

Prerequisite/Corequisite

Students enrolled must have passed Physics 213 and be enrolled in or have passed Physics 224.

Evaluation

- **Tests:** Students will be evaluated by their scores on 2 in-class exams. All exams are closed book. **50% Total** (25% Each)
- **Homework:** Approximately 10 homework problems will be assigned every Tuesday. These will be due by the end of class the following Tuesday. These will be checked for completeness and not correctness. Homeworks turned in late will not be counted. Physics problems must be written out with figures drawn to be understood completely and failure to do so or simply copying online solutions will likely result in failing quiz and test grades. **15% Total**
- **Quizzes:** A 15 minute quiz will be given at the end of class every Thursday on that weeks material. **10% Total**
- **Final Exam:** Comprehensive and closed book final. **25%**

Rubric for Written Homeworks and Quiz Answers

- Begin each page with your name as it appears in the class roll and your student ID number in the top right hand corner.
- Do not write on the back of pages.
- If you use ink instead of pencil try to minimize scratch outs. If your work is illegible it will not be graded.
- Show every step in solving the problem. List all equations that you used before inserting numbers into them.
- Put a box around your final answer. If my grader can't easily find your final answer they can assume you don't have one.

Policies

- **Grading scale:** 100 – 90 **A**, 89 – 80 **B**, 79 – 70 **C**, 69 – 50 **D**, < 50 **F**
- **Attendance:** Class attendance is mandatory. Students are responsible for all material presented in class whether they have attended or not. This includes the announcement of tests. On test days, absences due to illness, unexpected emergency, or university sanctioned activity may be excused and the test rescheduled. A documented excuse must be provided upon the students return.
- **Academic honesty:** Cheating on homeworks, tests, or quizzes will result in a grade of zero for the first infraction. If a subsequent case of cheating is discovered the student will receive an F for the course. Consult the University of Mississippi M Book page 5 for examples of academic misconduct.

Resources

- Course grades will be posted on Blackboard. This however is not an official record of the grades and only intended to keep students up to date with their grades. The professor will keep the official record of all grades that will override any differences between it and the record kept on Blackboard.
- Free tutoring is available in Lewis Hall in the tutoring room. The schedule of when tutors are available will be posted on the door. A list of private (not free) tutors is available in the physics department office.

Important Dates

- January 23 – Classes begin
- January 26 – Last day to add
- February 2 – Last day to drop with refund
- March 2 – Last day to drop
- March 5 – Midterm grades due
- March 10 to 18 – SPRING BREAK
- May 3 – Last day of class
- May 8 (4 pm) – Final exam