

FALL SEMESTER, 2016

Syllabus for PHYSICS 213: General Physics I

Lecture time/place: MWF, 9:00-9:50 a.m., Room 101 Lewis Hall

Professor: Dr. Thomas Marshall

Professor's Office/phone number: Room 126 Lewis, 915-5325

Professor's E-mail address: marshall@olemiss.edu

Office Hours: MWF 8:00-8:45 a.m., MWF 10:00-10:30, 104 Lewis or 126 Lewis.

Text: *Physics*, 7th edition, by Douglas C. Giancoli

READ THE BOOK!! Read each chapter when we begin discussing it in class.

Objectives: In this trigonometry-based introductory physics course, we cover the first half of the book, through chapter 13. The topics will include measurement, 1-D kinematics, and 2-D kinematics (chapters 1-3), Newton's laws of motion and gravity (chapters 4-5), work, energy, linear momentum (chapters 6-7), rotational motion and static equilibrium (chapters 8-9), fluids, vibrations, waves, sound (chapters 10-12), and temperature and kinetic theory (chapter 13). The two main objectives of the course are (1) to learn and understand the physics concepts in these chapters and (2) to be able to use the concepts to solve physics problems in class and in life. As in most physics classes, critical thinking, analytical reasoning, and problem solving skills will be emphasized. These abilities are crucial in physics (and can be carried over into many other fields or endeavors).

Grading Scale: A's: 90-100%, B's: 80-89%, C's: 70-79%, etc. The +/- grading scale will be used.

Grades will be based on homework, tests, and the final exam:

Homework	15 %
Three tests	20 % each
Final exam	25 % (Wednesday, Dec. 7, 2016, at 8:00 a.m.)
Total	100 %

If you must miss a test or the final exam because of a civil duty (e.g., jury duty or military service) or official University business (competitions, performances, or travel) or religious observations or certain scheduled medical procedures, please inform Dr. Marshall ahead of time to arrange an accommodation. Missing a test or the final exam without prior notification of Dr. Marshall may lead to receiving a zero on the test/exam. However, illnesses and other problems, which sometimes occur unexpectedly, may lead to an accommodation in this policy.

Homework will be assigned almost every class day. To receive credit for the homework assignment, each student must turn in paper copy of the completed assignment at the **beginning** of the next class after the assignment was made. Homework assignments turned in later will receive a zero. An accommodation for this policy will be provided for students that have given prior notification that they have one of the excused absences (civil duty, official University business, etc.) mentioned in the previous paragraph. An accommodation may be given for unexpected absences. If you cannot attend class, you can have another student turn in your homework paper for you. I will not accept electronic copies.

Homework Rules:

1. Homework is due at the **beginning** of class on the due date.
2. For homework please use white paper that is 8.5 x 11 inches with no torn or tattered edges. Multiple homework pages should be stapled together. You may use the back.
3. **Show all your work**; the answer alone is not worth anything. Homework solutions must be **explained with enough English to be understandable**.
4. Homework answers should have units and a reasonable number of significant digits.
5. You may work with others on homework (but not on the tests or final exam).

Homework is one way of practicing and applying your knowledge physics. **You won't learn much physics if you don't practice using it. Please remember that you are doing homework to help yourself.**

Class attendance is expected, since everything you need to know on the tests will be discussed in class. Arriving late to class or leaving early distracts everyone (me especially). If you are taken ill during class, feel free to leave.

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.

Please read the following two University policy statements concerning class attendance:

1. Students must attend the first meeting of every course for which they are registered, unless they obtain prior departmental approval. Without such approval, a student who is absent from the first class meeting may be dropped from that class by the dean of the school or college with the responsibility for the course.
2. A student who incurs excessive absences in a given course may receive a grade of F for the course, and, in addition, may be dismissed from the class upon recommendation of the instructor and approval by the student's academic dean. When it appears to an instructor that a student has discontinued a class without officially dropping the course, the instructor will report this fact to the student's academic dean. The university reserves the right to dismiss from the university any student who has been excessively absent from multiple courses.

The University requires that all students have their course attendance verified at least once during the first two weeks of the semester. If your attendance is not verified, then you will be dropped from the course and any financial aid will be adjusted accordingly. Please be sure to sign the attendance sheets that will be passed around during the first two weeks of the semester.