

Physics 21 Fall, 2011

General Information

Subject matter: Physics 21, Introductory Physics II, is a continuation of Physics 11. The general topics covered include electrostatics and magnetostatics, DC circuits, Maxwell's equations, waves, geometrical and physical optics.

General Plan: Classes meet four times per week, Tuesday and Thursday in a large lecture (for 50 minutes) and Wednesday and Friday in a small recitation class. Homework assignments, which are done online, will be due before most recitations and will be discussed in the recitation. There are two major exams during the semester, at 4:10 pm on Oct. 5 and Nov. 9. The final exam will be scheduled by the registrar.

Textbook and Homework: The text is *University Physics*, by Young and Freedman, volume 2, 12th edition. The homework will be handled by a web-based system called "Mastering Physics." Each student must obtain an access code (a 30 letter password) in order to register with the Mastering Physics website. The access code can be purchased separately or as part of a package with the textbook from the campus bookstore or from the publisher's web site. There is more information about "Mastering Physics" on the main class webpage and in other handouts.

Obtaining Course Materials: Most "handouts" such as the reading assignments, schedule of lectures, and equation sheets must be downloaded from the course web page:

www.lehigh.edu/~physics/21

Paper copies of these documents will not normally be distributed in class or recitation. It is the responsibility of each student to visit the course web page and obtain the appropriate documents.

Quizzes: There will be nine quizzes during the semester. They will be at the beginning of the recitation section on most Wednesdays as announced in the schedule. The best eight quizzes will count, but no makeup quizzes will be given.

Makeup Exams: Makeups will be given for students who miss an hour exam for a legitimate reason.

Final Exam: The date and time of the final exam are set by the Registrar and cannot be changed.

Grading: Grades are based on the following scheme:

First Exam (Oct. 5)	100
Second Exam (Nov. 9)	100
Quizzes (best eight of nine)	60
Homework (on the web)	40
Recitation leader's assessment	50
Final Exam	200
<hr/>	
Total	550

Role of Recitation Leader: Each student's primary contact should be with his/her recitation leader. If you have questions or need help with an assignment, first ask your recitation leader. Each recitation leader will set his/her own office hours.

Equation Sheet: The exams are closed book, but an equation sheet will be provided. The equation sheet is posted on the web. Students should familiarize themselves with the equation sheet by using it for homework. The equation sheet is not intended to give every possible equation that might be needed to do a problem. Students are expected to be able to work specific problems starting from the general formulas given on the equation sheet.

Attendance Policy: Attendance at lecture and recitation is expected. Attendance in recitation will be taken into account by the recitation leader when assessing each student's performance.

Free Advice: Physics 21 is a fast paced course with a heavy workload. Assimilating the material presented each week is essential to understanding the following week's work. Come to class! Take notes! Keep up with the reading and homework assignments!

Physics 19: Physics 19 is a one credit course for students who have taken a three credit course similar to (but less comprehensive than) Physics 21. Students taking Physics 19 should attend the first lecture on Tuesday, Aug. 30 and then all the lectures and recitations beginning Thursday, Nov. 3, 2011. They will not take the second hour exam; they will take selected parts of the final exam.

Disability: If you have a disability for which you are or may be requesting accommodations, please contact both your instructor and the Office of Academic Support Services, University Center C212 (610-758-4152) as early as possible in the semester. You must have documentation from the Academic Support Services office before accommodations can be granted.



August 16, 2011