

Physics 21 Fall, 2004

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 is due at most lectures. The homework is collected at the beginning of the lecture. It will be graded and then returned and discussed in the recitation the next day. Occasionally, homework will be due in the recitation class. Two major exams will be given during the semester, at 4:10 pm on Sept. 22 and Nov. 2. The final exam will be scheduled by the registrar.

Textbook: The text is *Physics for Scientists and Engineers*, volume II, by Douglas C. Giancoli, ISBN 0-13-021519-8.

Obtaining Course Materials: Most "handouts" such as the assignments, schedule of lectures, and solutions to homework problems 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.

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 own office hours.

Grading: Grades are based on the following scheme:

First Exam (Sept. 22)	100
Second Exam (Nov. 2)	100
Quizzes (best 5 out of 6)	50
Homework assignments	50
Recitation leader's assessment	50
Final Exam	200
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Total	550

Homework: Each recitation leader grades the homework of the students in his section(s). The grader's perception of the student's level of effort plays a important role. The point of the homework is to learn how to think through problems and arrive at the solution by a valid method. Just writing down the correct answer is not enough; presenting a thorough analysis of the problem is essential for full credit. Solutions to the homework will be available on the web shortly after the assignments are collected, and students are expected to review these solutions. Since the procedures of the recitation leaders may vary, the homework scores from each section may be adjusted to achieve consistency from section to section.

Quizzes: There will be six quizzes during the semester. They will take place at the beginning of the recitation section on the dates announced in the schedule. The best five scores will determine the contribution of the quizzes to the final score. No makeup quizzes will be given.

Attendance Policy: Attendance at lecture and recitation is expected and will normally be necessary (but not sufficient) for a satisfactory grade. Attendance in recitation may 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 August 24, and then all the lectures and recitations beginning October 26. They will take selected parts of the second hour exam and the final exam.

Disability: If you have a disability for which you are or may be requesting accomodation, please contact both your recitation leader and the Office of Academic Support Services, University Center Room 212 (610-758-4152) early in the semester. It is the responsibility of students with disabilities to identify themselves to the appropriate university contact person to provide the required documentation in order to receive accommodations.



August 22, 2004