

Physics 111: Introduction to Physics 2 (Fall 2019)

instructor: Professor Naples

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Text: “College Physics”

<https://openstax.org/details/books/college-physics>

Available online free of charge (or for purchase at University Book Center).

Course Description This course is the second semester of a two-term non-calculus-based introduction to physics. Prerequisites are physics 110 (or the equivalent) with a minimum grade of C- and proficiency in algebra and trigonometry. This course covers selected topics in thermodynamics, electric and magnetic forces and fields, light, optics, wave interference, and other selected topics as time permits. (covers roughly Chapters 13, 15, and 18-26 in the textbook).

Recitation

In addition to lecture, the course includes a recitation which meets once a week and is primarily to help students with problem solving. The recitation will be led by a graduate teaching assistant (TA) who will go over assigned problems and answer related questions. Recitation grade will be based on a short quiz given during the recitation session each week (no quiz during exam weeks). The quiz will be concerning the homework assignment that was due on the previous week.

Homework Assignments

Solving problems systematically on a regular basis is an important part of success in physics. You will be assigned homework problems in “WebAssign” on a weekly basis which will be graded electronically and count towards your final grade. You need to self-enroll using the following link:

<https://webassign.net/login.html>

The class key for this course is: pitt 3090 3736

You are responsible for noting due dates and for submitting assignments on time. There will be NO individual homework extensions. I will extend due dates for ALL students if there are confirmed outages of the WebAssign site (these are rare).

Exams

There will be three one-hour exams during the semester. Only your best two of the three will count. There will be **no makeup exams**. Exams will be given in class during the preannounced class periods. The final exam will be comprehensive and is required to pass the course.

Exam Schedule (Tentative)

Exam 1	Friday Sept 27
Exam 2	Friday October 25
Exam 3	Friday November 22
★Final Exam	Thursday December 12 (4-5:50pm)
★Departmental exam (no conflicts can be accommodated).	

Lecture Attendance and Preparation

Please read the preassigned textbook sections before lecture each week. We will make use of the in class interactive class response system (ICRS). You will be assigned a pad which is identified with a unique number at the beginning of the semester. Please pick up your assigned pad as you enter the lecture hall and return it before you leave. The tally of extra credit points (out of a maximum of 2 percentage points) will be computed using the following scheme: Full credit (100%) will be given for each correct answer and 80% for each incorrect answer. No credit (0%) will be given to a missed answer.

You may only pick up the pad assigned to you. You may not pick up a pad belonging to an absent or late classmate.

Grading Summary:

Recitation grade	15%
Homework grade	15%
Best 2 Hour Exams	20% (each)
Final Exam	30%
Lecture Response Grade	2% Extra

Email dos and don'ts

- Please do not email me screen-shots of your homework. Also keep in mind that it is not possible to clearly answer a question that is incompletely or poorly formulated.
- Due to confidentiality concerns, email may not be used to discuss grades (with the exception of pointing out a grade posting error).

Additional Study Resources

A “Resource Room” will be available throughout the semester for help in understanding physics concepts and completing homework assignments. The room is available from 9am-4pm, Monday through Friday, in room 312 Thaw Hall. This room is staffed by physics department TAs.

Academic Dishonesty Warning:

Plagiarism and cheating are serious offenses and will not be tolerated. Punished may include failure on the exam; failure in the course; and/or expulsion from the university.