

PHYSICS 102
GENERAL PHYSICS II
SPRING 2003

Instructor: Dr. Max Bonamente

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Office hours: Tue.-Thur. 1:30-3:30 PM or by appointment

Textbook: *Physics* by E. Hect, 3rd edition

Course outline and schedule:

This course covers the fundamentals of electricity, magnetism and optics.

1. Introduction to basic phenomena of electricity. Chapters 15-17.
2. Magnetic phenomena, electromagnetism and electronics, circuits. Chapters 18-21.
3. Light propagation and optics. Chapters 22-25.

Homework:

There will be 7 assignments for this class. You will have 7 days to return each homework assignment, each late day will cause the score to be reduced by 20 %, so that if the homework is turned in 5 days late, it will receive the score of 0. The homework assignments will consist of problems from the textbook.

Mid-term examinations:

There will be 3 in-class mid-term exams, one for each section of the course. Before each mid-term, we will devote one class exclusively to problem solving for the mid-term.

Final exam:

It will be an in-class, closed-book exam on the whole material covered in the course.

Laboratory:

Attendance of all laboratory sessions is required. Policies of the lab will be discussed with the TAs.

Scoring and grading system:

- 6/7 homework assignments: **25 %** (drop lowest score).
- 2/3 mid-terms: **25 %** (drop lowest score).
- Final exam: **25 %**.
- Laboratory: **25 %**. However, if lab work is not completed, maximum final score will be D.

Extra points: a maximum of 5 extra points based on attendance and class participation.

Final grade letter will be:

A: **100-90 %**

B: **89- 79 %**

C: **78-55 %**

D: **54-45 %**

F: **≤ 44 %**