# PHYSICS 232 , Introductory Physics II

## Spring 1998 - General Information

- **Course Outline:** Classical theory of electricity and magnetism, electromagnetic waves, geometric and wave optics, "Modern" physics.

- **Lecturers:** Scott Pratt, 204 Cyclotron, Phone: 333-6438, pratt@nscl.msu.edu
  Jon Pumplin, 127 Phys. Astr., Phone: 355-9275, pumplin@pa.msu.edu

- **Lectures:** Pratt: MWF – 8:00, 9:10 AM Pumplin: MWF – 11:30 PM

- **Recitations:** Recitations have been replaced by numerous office hours where students can get individual attention.

- **Office Hours:** There will be **35** hours. A schedule will be distributed.

- **Textbook:** Physics by Cutnell & Johnson, 3rd Ed., John Wiley & Sons.

- **Lecture Notes:** Available on internet, along with other information.
  **http://theo15.nscl.msu.edu/physics232**

- **Homework:** There will be 11 homework assignments, which are due on Saturdays at 6 PM (see course outline). Homework will be turned in and graded with MSU's *CAPA* system. A student enters solutions to questions and problems from any of the several hundred computer terminals in various buildings and dorms on campus, and knows immediately if they are right. Students are allowed 25 attempts at each problem and earn credit for all correct answers entered before the due date of the assignment.

- **Exams:** Four Midterm Exams (50 min.), final exam (2 hr.s). Students may bring one $8\frac{1}{2}\times 11$ piece of paper with notes on both sides to each midterm and two pieces of paper to final exam. Exam supplements will be passed out, which give students opportunity to add 10% of total possible points to exam score. Thus, exam scores over 100% are possible.

- **Grades:** Grades calculated strictly according to table below. Lowest midterm grade will be dropped. In Pratt's section homework will be disregarded if advantageous to grade. **Weights:** Homework assignments (25%), Midterms (50%), Final (25%).

- **Scale:**

| $x$ = % of total points | Final Grade |
|---|---|
| $90.0 \leq x \leq 100$ | 4.0 |
| $82.5 \leq x < 90.0$ | 3.5 |
| $75.0 \leq x < 82.5$ | 3.0 |
| $67.5 \leq x < 75.0$ | 2.5 |
| $60.0 \leq x < 67.5$ | 2.0 |
| $52.5 \leq x < 60.0$ | 1.5 |
| $45.0 \leq x < 52.5$ | 1.0 |
| $0 \leq x < 45.0$ | 0.0 |