

# General Physics -II

## PHYS 202

Session: 01/10-04/25 -2011: 42 classes

Final Exam: 9:00 am, in class, Wednesday, 4th of May '11.

**Professor:** T. Datta

**Office:** PSC 501/502 (777-7669) 12:30-1:30 pm M & W or by appointment

**Contact:** [datta@sc.edu](mailto:datta@sc.edu)

**Internet:** LonCapa

**Class:** PSC 002, 10:10 AM- 11:00 AM, MWF

- **Preq:** C or better in 201 and students will need the math competence at the level of the book.

**Recitations:** PSC 208

**Text Book:** PHYSICS by Jones & Childers, Contemporary Phys., McGrawHill.

Topics: Electricity through Modern Physics including optics (Chs. 18-32) will be covered.

### Course Description:

- This is an algebra based, introductory mechanics and thermal physics course.
- Attendance to the class is mandatory.
- Students knowledge and skills have to be demonstrated in quizzes and tests as well as in class presentations
- Participation in class discussions and in questions & answers sessions will be required.

**Course goals:** Upon successful completion of physics 202, the student should be able to:

- Understand the laws of introductory electro-magnetism, optics and modern physics.
- Acquired skills for quantitative information exchange by charts, graphs, and diagrams.
- Apply arithmetic, algebra, geometry and trigonometry to determine quantitative results.
- Be able to solve text book problems on their own without the help from others.
- Realized the role of physics in modern science.

**Tests & Exams:** 3, 1-hr tests (TBA), quizzes + Final.

**Grading:** To pass this course the student will have to show satisfactory performance in all the components of the course, viz, in class, home work, presentation and testing.

Grade will be based on tests (60%), HW 30 % + quiz & in-class work 10%

**Scale:** Standard 10 pt, viz., 100-90% = A, etc.

## **Tentative Calendar for Spring 2011**

**(Students should regularly make corrections for updates voted in class)**

January 10, Mon.	Classes begin
January 14, Fri.	Last day to change a course schedule or drop a course without a grade of "W" being recorded (Session C002)
January 17, Mon.	Dr. Martin Luther King, Jr. Service Day - no classes
January 31, Mon.	Last day to apply for May graduation
February 28, Mon.	Last day to drop a course or withdraw without a grade of "WF" being recorded (Session C002)
	Midpoint in semester
March 6 - 13, Sun.-Sun.	Spring break - no classes
April 21, Thurs.	Awards Day
April 25, Mon.	Last day of classes
April 26, Tues.	Reading day

- Attendance may be taken at random for record keeping. More than Three unexcused absences may cause loss of grade.
  
- Makeup tests only with written medical or family excuses.
  
- Requests for incomplete grade "I" has to be made in writing and conditions negotiated should be written down and agreed upon. Verbal will not be enough.
  
- Request for recommendation letters has to be supported with Students resume and interview.