

## Phy 127 course information Spring 2007

Physics 127 is a course in classical physics intended for students at the freshman and sophomore level. The course provides an introduction to classical electromagnetism, periodic motion and circuit theory. The material is covered in chapters 13 and 21-31 in Young and Freedman, the required text. The course is intended for majors in physics as well as other sciences, mathematics and engineering. The course consists of three lectures, a two hour laboratory and a one hour recitation per week.

### 1. **Required Material:**

Textbook: University Physics [11<sup>th</sup> edition] by Young and Freedman.  
.Lab Notebook, [77610 or equivalent]  
Scientific Calculator [with trig functions] for homework problems, laboratories, recitation quizzes and exams.

### 2. **Lecture:** MWF 11:45-12:40

Instructor: Linwood Lee, Office C-106, phone 632-8116  
email: [linwood.lee@stonybrook.edu](mailto:linwood.lee@stonybrook.edu)

Office hours: TuTh 9:15-10:15, MWF 9:30-11:00 and by appointment. Extra office hours will be announced each Monday in lecture.

**You are responsible for all announcements made in lecture**

**You should read the assigned text material before it is discussed in lecture.**

### 3 **Homework:** Every Monday in lecture a set of homework problems will be assigned.

The homework is due the following week in recitation. The homework will be collected, selectively “graded” and returned the following week. Homework solutions will be posted on Blackboard soon after they are due.

### 4. **Recitation:** The recitation provides an opportunity for informal discussion of all of the course material and to go over the homework problems. The assigned homework will be collected and there will be occasional quizzes. **Attendance in recitation is mandatory.** Recitations will start January 29.

### 5. **Laboratory:** Starting January 30 you will perform a set of experiments illustrating

the material discussed in lecture. After writing up in your notebook the result of your experiment you will hand in your lab report to your lab instructor at a time to be determined. **All lab data and your report must be in your lab notebook.** Your report will be graded and returned to you at the next lab meeting. There will be point deductions for late hand in. **You are expected to perform and write up all labs.** Failure to do this will result in severe deduction from your course grade including possible failure of the course. Details regarding handing in and grading of lab reports will be provided by your laboratory instructor at the first laboratory meeting. A schedule of laboratory meetings will be provided. Laboratory instructions will be available on Blackboard as Course Documents.

### 6. **Exams:** There will be two midterm exams and a final exam on dates indicated on the lab and exam schedule on Blackboard. Midterm exams will be given during the regular lecture hour at locations to be announced in lecture.

### 7. **Grade:** Your final course grade will be determined by weighting the various portions of the course as follows.

Midterms: 17.5% each  
Final exam 35%

Recitation 10%  
Laboratory 20%

**8. Help:** The course instructors will be available during office hours and by appointment for help with questions related to the homework problems and/or general understanding of the course material. For questions regarding the laboratory you should see your laboratory instructor. **You are encouraged to come and ask questions; we are here to help you master the course material. ABOVE ALL do not get behind; it is very difficult to catch up in a Physics course.** We urge you to seek help at office hours as soon as you have any difficulty, not just before exams.

#### **DISABILITY INSTRUCTIONS**

If you have a physical, psychiatric/emotional, medical or learning disability that may impact on your ability to carry out assigned course work, I urge that you contact the staff in the Disability Support Services office [DSS], 632-6748/9. DSS will review your concerns and determine, with you, what accommodations are necessary and appropriate. All information and documentation of disability is confidential.