

# PHY222 General Physics Laboratory II (Fall 2011)

**Introduction** This course provides hands on intuition about general physics covered in the PHY212 lecture course. Sometimes the experiments are ahead of the lecture, or go beyond the scope of the lecture. Therefore, students are urged to read the theory part of the experimental manual and consult with the textbook if necessary. Since the laboratory time is limited, it is crucial that the students come prepared for the lab by reading the provided material. Pre-lab exercises based on the reading material should be done at home and prepared independently. The prelab exercises will be collected by the instructor at the beginning of each laboratory session and graded or they will be an exercise posted on Black board.

Unless otherwise instructed reports (may just be the group's graphs, but may be whole laboratory write-up packet) must be completed and submitted during the class. Report sheets are included in the experimental manual. Students should work together on collecting the data and discuss the results with each other to reach a consensus. All students should answer all the questions in their own writing and submit their individual reports along with one set of the group's printouts. The individual reports make it possible for everyone to keep a copy of the report. Sometimes a group may find it difficult to complete all the measurements and answer all the questions. It is more important to present all the completed measurements clearly rather than to complete all the measurements. **When making graphs it is important to label axes and indicate units.**

*Students must sign in at each lab.* While it is highly recommended that you always attend your assigned section, labs can for very compelling reasons be made up in the same week at another regular section, i.e. on Monday through Friday, see times below. It is recommended to consult with the instructor of the other section prior to the make-up lab. Be certain to put not just your name but the name and section of your regular instructor. If for religious observant reasons you cannot attend at your regularly scheduled time it is your responsibility to do the lab at a different time during the week. In some cases, such as an authorized temporary leave or real sickness, not just hung over from a party, an opportunity for the makeup of one or two labs may be possible.

As this is a laboratory course, participation in the labs is critical. No lab grade is dropped. Typically missing two or more labs results in a F. Grade will be based on a total of 10 points for each lab. Typically (but not necessarily always) those 10 points will be made up of 2 points for prelab, 1 point for each correctly completed "Benchmarks", 3 points for postlab questions, and 2 points for active participation in the lab. Letters grades will be assigned based on a scaling of the earned points.

**Course Fee** To support the laboratory and related lecture demonstrations in the co-requisite course, PHY212, you have been charged a course fee of \$50. This fee helps pay for (i) laboratory manuals and other handouts, (ii) supplies, small pieces of apparatus, and maintenance for the laboratory equipment, (iii) supplies and small pieces of apparatus for lecture demonstrations, and (iv) undergraduate students working in the student and demonstration laboratories.



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## Lab Supervisor



**Prof. Kenneth Foster**

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## Undergraduate Physics Office

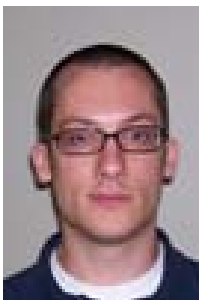


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## Lab Instructors



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## **Academic Integrity**

The Syracuse University Academic Integrity Policy holds students accountable for the integrity of the work they submit. Students should be familiar with the Policy and know that it is their responsibility to learn about instructor and general academic expectations with regard to proper citation of sources in written work. The work reported in a laboratory must be your own. The policy also governs the integrity of work submitted in exams and assignments as well as the veracity of signatures on attendance sheets and other verifications of participation in class activities. Serious sanctions can result from academic dishonesty of any sort.

For more information and the complete policy, see <http://academicintegrity.syr.edu>

## **Disability Services**

Students who may need academic accommodations due to a disability are encouraged to discuss their needs with the instructor at the beginning of the semester. In order to obtain authorized accommodations, students should be registered with the Office of Disability Services (ODS), 804 University Avenue, Room 309, 315-443-4498 and have an updated accommodation letter for the instructor. Accommodations and related support services such as exam administration are not provided retroactively and must be requested in advance."

For more information about services and policy, see Office of Disability Services.

## **Religious observances policy**

SU's policy ([http://supolicies.syr.edu/emp\\_ben/religious\\_observance.htm](http://supolicies.syr.edu/emp_ben/religious_observance.htm)) "recognizes the diversity of faiths represented among the campus community and protects the rights of students, faculty, and staff to observe religious holy days according to their tradition. Under the policy, students are provided an opportunity to make up any examination, study, or work requirements that may be missed due to a religious observance provided they notify their instructors before the end of the second week of classes. For fall and spring semesters, an online notification process is available through MySlice/Student Services/Enrollment/My Religious Observances from the first day of class until the end of the second week of class."

As already mentioned, if you have provided proper notification you may for religious observant reasons attend the lab at a different time during the same week. It is your responsibility to make this arrangement.