

## Physics 127/141 and 161 Student Information for Fall 2009

### Supervisors

Dennis Allen  
1241 Randall Lab  
734-764-3468  
[bapple@umich.edu](mailto:bapple@umich.edu)

Lab Supervisor: Day to day problems;  
Equipment setup. Make-up laboratories.

Beth Percha  
320 West Hall  
734-647-9568  
[perchab@umich.edu](mailto:perchab@umich.edu)

Lead GSI: Assists and monitors GSI's; Covers GSI absences.

Wolfgang Lorenzon  
357 West Hall  
734-647-6825  
[lorenzonz@umich.edu](mailto:lorenzonz@umich.edu)

Faculty Supervisor: Overall course organization;  
curriculum revisions and development.

### Laboratory Reports

Each partnership of two students will complete an Excel spreadsheet file with questions and data analysis about that day's lab. A template for each laboratory will be provided. Each student will submit their own Excel file; the file name must be the student's unickname. Partners will receive the same grade for the laboratory. In order to fairly assign a unique grade for each student, laboratory partners may be changed on a weekly basis by direction of the instructor.

Since each laboratory will be completed and handed in during the class period devoted to that laboratory, the only outside homework is to familiarize yourself with each experiment so you can complete a short quiz at the beginning of each class. There is no final exam for the introductory physics laboratories.

The **laboratory reports** will account for **80%** of the course grade.

### Pre-lab Quizzes

At the beginning of each laboratory, you will be required to complete a closed-book 5-minute quiz. Note that you are responsible for lecture material up to the time of the lab; if you took the lecture in a previous term, you may need to go back and review some key concepts. The quizzes are intended to ensure that you are adequately prepared before coming to class. They are mainly based upon the laboratory manual chapter for that week's experiment, but may occasionally test your understanding of the physics concepts as well. These quizzes should not be difficult if you have carefully read the laboratory manual.

The quizzes will start exactly at 10 minutes after the hour. There are no make-ups for the quizzes, and you will lose precious time, if you show up late. There will be a quiz during each lab session, including the first lab (Laboratory 1: Statistics and Data Analysis). The lowest quiz will be dropped.

The **quizzes** will account for **20%** of the course grade.

## Attendance, Tardiness and In-Lab Performance

You are expected to be in class on time each week—absences or tardies will adversely affect your grade. While in class, your attention should be focused on your laboratory tasks and not, *e.g.*, on your cell phone. You are expected to come to class prepared and work efficiently until you and your partner have completed the assignment.

It is imperative that each student be ready to begin class at 10 minutes after the hour. Students who miss the quiz will receive zero points for the quiz. Students who are more than 10 minutes late will also be required to work alone for whatever time remains (i.e. you will not be allowed to use whatever data your partner has already taken).

Missed laboratories must be made up to receive credit, usually within one week of the day the laboratory is normally performed. You should contact your instructor prior to the laboratory in question if you need to miss a class; make-ups are normally allowed only for medical and family emergencies and religious reasons. Note that scheduling a laboratory in known conflict with an exam scheduled in the course bulletin is *not* an acceptable reason. If you contact your instructor early, however, he or she will consider other requests for make-ups on a case-by-case basis. If you do not contact your instructor before class, the only way you can obtain a make-up lab is with documentation of an emergency.

You will need your instructor's permission for the make-up and you are responsible for scheduling it. Get a laboratory make-up slip from Dennis Allen (1241 Randall), have the instructor sign it, and bring it back to schedule the make-up.

## Saving your laboratory report

At the end of each class period, all laboratory reports are copied to a *network drive* that is inaccessible to students. Once the report is submitted, the student cannot read or edit the report. The GSIs can give you access to the report, if necessary. The night after the experiment, the laboratory reports will be emailed to the students.

Note that your files cannot be backed up onto your lab computer. In case your lab computer crashes and needs a reboot, all your work is lost. The only way to backup a file is to copy it to the *Temp* folder on the *network drive*, where it can be recovered by your GSI. It is the student's responsibility to save copies of the lab report periodically during a lab class.

## Grading policy

Grades will be given in the laboratory courses based on the following scale:

Total Percentage Achieved	Grade Range
92 – 100%	A+ / A / A-
82 – 91%	B+ / B / B-
72 – 81%	C+ / C / C-
< 71%	D

A failing grade (E) will be assigned to students who miss more than one laboratory without a valid excuse. The final grade will be composed from two scores: Lab work (80%) and Quizzes (20%).

## Resources

### Help Room:

1416 Randall Lab is the Physics Help Room. The room is staffed by physics faculty and GSIs on weekdays during the semester. The staff is available to answer questions about all introductory physics courses. You are also encouraged to use the room for study groups or to seek help from your classmates. For hours and staffing see <http://helproom.physics.lsa.umich.edu/>

### Web Site:

For more information see the introductory physics laboratories website at <http://instructor.physics.lsa.umich.edu/ip-labs>

### SLC:

The Science Learning Center, 1720 Chemistry Building, is another valuable resource for students. See <http://www.lsa.umich.edu/slc/>