

PHYSICS 182L

Fall 2011

LP 117

Tuesday 2:30-5:30pm

General Information

Instructor: Mahmoud Ahmad
Office Hours: schedule appointment or Email
Phone: 775 682-1677
Email: Ma7moud.ahmad@gmail.com
Lab Manuals Website: <http://www.physics.unr.edu/Labs.html>

Class Description and Objectives

The purpose of the physics laboratory is to allow student to experimentally feel and visualize concepts and physical laws that are introduced in PHYS 182. You will enhance laboratory techniques, learn how to set up an experiment, record your data, and use formulas to compute the results. This lab is designed to allow more independent work from the students as well as more peer-to-peer teaching.

For each topic discussed in lab, you will be given two weeks to complete and turn in a detailed report of the experiment(s) performed during that time. The first week will allow you to prepare for the lab such as research the background, check the equipment, organize course of action, etc. And the second week will be spent conducting the experiments. On top of that, during some weeks I may have each person or group talk briefly about his/her experiment(s).

Please do not be late. Attendance and participation is expected. Experiments as well as lab reports may be done in groups of two.

Course Requirements

Class Etiquette:

- While in lab, there will be no food, drinks or application of cosmetics.
- Please turn off cell phones while in lab.
- After you are finished with your lab, you and your partner must clean up your area. Failing to do so will result in a grade reduction.
- Report all damage equipment to me so it can be replaced.

Lab Reports

- There will be 5 lab reports in total. (subject to change)
- You are expected to read the lab experiments as they are provided on the website. This will help you while performing the experiment as well as knowing how to prep.
- The lab reports are due at the beginning of the next class following the week of the experiments. 5 points will be deducted for each day that it is late.
- Type all lab reports. Hand written or illegible lab reports will not be accepted.
- Please follow the format given in the lab manual website.

Attendance:

You are required to attend all the classes. If you must miss a lab due to illness, emergency, or pre-arranged absence, it is your responsibility to arrange to make up the lab during the different session sometime during the week of your absence. In any case, no more

than two labs can be done in another lab section. By department rules, if you miss three or more classes, you will automatically fail the lab course. There is no way to make up the labs. Do not turn in a lab report for which you did not attend since you will receive no grade points for not attending a lab. You are expected to be on time for class. Please do not be late more than 5 mins. You will not know what to do if you are not there for lecture.

Laboratory Safety:

Experimental work can be subject to hazards of many kinds, and every person working in a laboratory should be alert to possible safety problems. Be aware to reduce the risk of injury and/or equipment damage. Report any accident or broken equipment to me immediately.

Grading:

% → A=90-100 B=80-89 C=70-79 D=60-69 F=below 60

ADA: Any student wishing to apply for academic accommodations or adjustments is requested to inform the instructor, or contact the Disability Resource Center (DRC, Thompson, Suite 101, phone 784-6000) directly, as soon as possible to arrange appropriate actions. The DRC will be able to answer any questions regarding accommodations or adjustments.

Academic Success Services: For example, "Your student fees cover usage of the Math Center (784-443 or www.unr.edu/mathcenter/), Tutoring Center (784-6801 or www.unr.edu/tutoring/), and University Writing Center (784-6030 or www.unr.edu/writing_center/). These centers support your classroom learning; it is your responsibility to take advantage of their services. Keep in mind that seeking help outside of class is the sign a responsible and successful student."

Academic Integrity: All examinations, homework, and quizzes must be your own work: any act of plagiarism (cheating, piracy, theft, etc.). Plagiarism or otherwise obtaining grades under false pretenses" constitute academic dishonesty according to the code of this university. Academic dishonesty will not be tolerated and penalties can include canceling a student's enrollment without a grade, giving an F for the course or for the assignment. For more details, see the [UNR General Catalog](#).