

Instructors: Dr. M. Vaziri, Dr. A. Grafe

Materials

Required:

Lab handouts (print from <http://spruce.flint.umich.edu/~grafe>)

A scientific calculator

Three-ring binder

Laboratory Description

The purpose of the laboratory will be to reinforce and explore the physics concepts from lecture. The student is expected to perform and understand the assigned experiments, which will usually be taken from the lab handouts. Normally, the material in the handouts will be completed during the lab meeting, but certain parts will occasionally be assigned as lab homework.

Laboratory Requirements

As the laboratory experience is very important to integrating the concepts of physics into your personal experience, laboratory attendance is mandatory. In general, it is usually not possible to make up a lab. Please do not arrive late for lab! If you are more than 30 minutes late, you will be considered as missing a lab. *If you miss three or more labs, your course grade will be an E.*

In-Lab Work

In general, it is a good idea to carefully note your observations in your lab notebook. You will be expected to work in a careful manner, discuss your observations with your instructor, and take a post-lab quiz before leaving class. Make sure your notebook is carefully organized—they will be examined at the end of the semester and count toward your lab homework grade.

Grading

Laboratory is worth 150 points of your Physics 145 course grade. Of this, 100 points will be based on laboratory homework, quizzes, participation, and attendance. The other 50 points will come from the open-book, open-note laboratory examination at the end of the term.