

121L 04
General Physics Lab I
SPRING 2014

Instructor: Viviana Rosero

Time and Location: W 3:30 – 6:00 pm, Workman 135

Contact: viviana@nmt.edu

Office Hours: M 8:30 – 10:30 am, Workman 321

Deadline for submission: Mondays at noon (12 pm) Workman room 110 in the assigned lab session drawer. No late lab reports will be accepted. Pre-lab Exercises must be handed in at the start of each lab on a separate piece of paper.

Overview and Objectives

- Clarify the concepts covered in the lecture
- Establish laboratory skills, e.g., making measurements, tables, graphs, diagrams
- Learn how to analyze data
- Learn how to write a lab report

Requirements

Read the material in the lab manual before the class: unexpected short quizzes could be given at the beginning of the lab. Punctuality is required; you will not get full credit for your reports if you are consistently late.

The preferred way of communication will be by email, so please check your Tech emails regularly.

Materials

- Lab manual
- Lab notebook: composition notebook with square grids
- Calculator
- Blue or black pen

Lab Report

- You will record all your measurements in the lab sheet in *ink*
- Your report for each lab will be written on a word processor. All graphs and tables should be done on a computer, e.g, excel

Grading

1. There are 12 labs during the spring semester. The worst score of your reports will be dropped at the end of the semester. Your final grade will be the average of 11 lab reports
2. 40% of your report grade will be based on attendance and participation
60% of your report grade will be based on:
 - the lab report
 - the pre-lab exercise, if assigned
 - surprise quiz, if given

Attendance Policy

Attendance is required. No make ups of labs are allowed unless you can provide medical justification (with the exception of Lab #4 which can not be make up). For extraordinary cases you may attend a different lab session within the same week but only with *prior* notification to me and with the permission of the instructor of the lab you need to attend. Please do not make it a habit to attend different sessions.

Lab Groups

1. The lab instructor retains the right to re-arrange the laboratory groups in order to facilitate the learning
2. You will collect data and discuss the experiments with your lab group
3. The write up and analysis for each report must be done individually

Academic Honesty Policy

Reports that have not been done individually will be considered plagiarism. The grade for those labs will be zero (and can not be dropped at the end of the semester). Repeat offenses will be reported to the Physics department chair.