Physics 4A Lab Syllabus-Fall 2021

Lab Instructor: Juming Jiao
Email: jiaojuming@fhda.edu
Homepage: http://nebula2.deanza.edu/~jiao/Sites/

Lab Hours: Tuesday/Thursday 2:30-5:20 p.m. (Zoom)
Office Hours: Wednesday 2:30-3:20 p.m. (Zoom)
Lab Final: 2:30-4:30 p.m. Tuesday/Thursday 11/30 & 12/02

OBJECTIVE:
Reinforce the concepts and theories presented in the lecture.
Develop the knowledge and skills required to make accurate measurements and
learn to analyze the errors and uncertainties associated them.
Learn to analyze data using graphical, statistical, and computer based techniques.
To write a coherent comprehensive scientific lab report in the appropriate format.

ATTENDANCE:
You are expected to be here at the beginning of each lab.
If you miss TWO labs, you may be dropped from the class.
It is your responsibility to ensure being dropped or withdrawn from the course in order to avoid an **F** in
the course.
The last day to drop a class with a W is Friday, Nov. 12

ACADEMIC HONESTY:
If a student is found cheating, a **ZERO** will be assigned to the work.
Using unauthorized notes, copying another student's work, or letting another student copy your work are all
considered forms of cheating.
If you are caught cheating a second time, you may receive an **F** in the course.

LABORATORY:
Lab attendance is mandatory.
There are **NO MAKE-UP** labs without prior consent from the instructor. You can send an email before the
lab in case of an emergency.
The 11th week will be the lab final.
You will need a lab notebook (graphic paper) and a scientific calculator.
Lab grade consists of lab attendance, lab report, and lab final.

GRADING: The grade distribution is as follows:
Lab work: 50%, Lab Final 50%

Student Learning Outcome(s):

*Critically examine new, previously un-encountered problems, analyzing and evaluating their constituent parts, to construct and explain a logical solution utilizing, and based upon, the fundamental laws of mechanics.
*Gain confidence in taking precise and accurate scientific measurements, with their uncertainties, and then with calculations from them, analyze their meaning as relative, in an experimental context, to the verification and support of physics theories.