

FD'01

CHAMINADE UNIVERSITY OF HONOLULU

SYLLABUS FOR PHY251L - UNIVERSITY PHYSICS LABORATORY

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1. EXPERIMENT WRITEPS - GENERAL INSTRUCTIONS

As you carry out each lab activity you will record the details - ~~experiment details~~ and measurements, in a bound lab book. It is desirable that you get into the habit of writing a lab report while you are carrying out the experiment. The comments and results should be entered directly into your bound lab book, as you are carrying out the experiment. Before starting your experiment make sure that you have a clear understanding of what each experiment is about, what you are aiming to find out, etc. This means that you should read and understand the experiment instructions prior to commencing any work. On completion of the lab you will work up the lab results (once again in the lab book.) Then you will prepare a word-processed report that presents a discussion of the lab activity, and presents the results of the data analysis.

In the final word-processed write-up please use the following format.

- a) **TITLE**
Thus should be short and self-explanatory.
- b) **AIM**
This consists of a short statement of what your objectives were as you carried out the lab activity.
- c) **EQUIPMENT**
This section contains a list of the items of equipment that were used in the experiment.
- c) **PROCEDURE/RESULTS**
This section contains brief written descriptions of what was done at each stage during the experiment, describing any difficulties encountered.
- d) **CONCLUSIONS**
The final section of the typed report presents the results of your analysis, with appropriate estimates of errors, etc. If there were difficulties, discuss these, and how you handled them.

Remember that your report tells the story of how you carried out a given lab experiment, and what you found. It should not be presented in the form of instructions.

2. GRADING

Your lab grade will depend on your attendance (5%), and the quality of your involvement in the lab activities (45%), and of your write-ups of the various experiments (50%).