

Physics 128B Grading Policy

Logbook: (100 points total)

- 10 points: Clear use of logbook as a record rather than an after the fact report. This involves recording sufficient detail.
- 10 points: Introduction and Theory. You should include enough explanation of what you are doing, and the ideas behind it, that the logbook is sufficient to understand it. However, this is not measured by length of text.
- 10 points: Explanation of setup, including diagrams or photos, and apparatus descriptions.
- 10 points: Raw data, including tables and plots made while collecting the data. These need to be complete and clear enough that one can reconstruct what was done.
- 10 points: Distilled data, including tables and plots. These need to be clear and well labelled and sufficient to support your conclusions.
- 10 points: Calculation of results *and uncertainties*. A complete description of how the calculations were made should be included. If these calculations are automated, then only one example needs to be included.
- 10 points: A discussion of potential systematic uncertainties. You may not be able to quantify them all, but you should list the effects that you have thought about. You also needn't measure them all, but you should comment on how you might measure them or improve the procedure in future measurements to avoid them.
- 10 points: Conclusion. This needn't be long, and you don't have to conclude that everything worked well. But, the conclusions must be clear and supported.
- 20 points: Completion of procedures, questions and exercises specified in the lab manual.

Note that your logbook will also be required to contain the following details.

- Names of lab partners
- Dates and times of measurements and entries
- Everything must be legible even if it is crossed out as "wrong".
- Contents, e.g., tables of data and plots, must be sufficiently labelled for content and context.

1-2 Page Synopsis: (40 points total)

- 10 points: appropriate data chosen to present
- 10 points: clear, concise conclusions
- 10 points: abstract and introduction
- 10 points: overall effectiveness of paper. This includes organization, style, figure captions, readability etc.