

## **PHYS 275 Experimental Physics Laboratory**

### **Notes for project lab logbooks**

1. List of items borrowed + returned?
2. Table of contents!
3. Date each entry.
4. DO NOT write in pencil. Use a pen.
5. You can write on both sides of the page.
6. Remember, the goal is that someone could use your logbook to evaluate or even repeat the measurement. NEED TO INCLUDE ALL IMPORTANT DETAILS plus explanation.
7. Must have
  - a. Theory (this can be the class notes)
  - b. Procedure
  - c. Experiment descriptions – diagrams, model numbers, dimensions
  - d. Analysis including uncertainty calculation and how obtained
  - e. Results including uncertainties
  - f. Bottom line
  - g. Anything else asked for in the handout, usually including the “questions to ponder”.
8. DO NOT write long pages or even paragraphs of text. Use lists, diagrams, short notes, tables.
9. DO NOT cram a million bits of info onto one page, spread it out.
10. You can tape printouts into logbook. For example, if you take measurements from image from google earth, please insert and mark in logbook!
11. Do not leave any loose papers in your logbook. They will disappear (I guarantee it.)
12. The number of digits of the scale, or the number of tick marks, does NOT give the uncertainty.
13. Data points, theory curves.