ADVANCED PHYSICS LAB (APHY 335Z)
LAB SUBMISSION CHECKLIST

EXPERIMENT

Author:
Lab Partners (Co-Authors):
Experiment Number: □ 1 □ 2 □ 3 □ 4 □ 5 □ 6
Experiment Subject:

SUBMISSION

Due Date:
Submission Date:

□ Electronic Copy Emailed to knuth@albany.edu

□ Lab Report was written in LaTeX
   □ LaTeX code was submitted in a zip file with the Report

REVIEW

□ Paper was Reviewed.
Reviewer: __________________________

□ Copy of Reviewed Paper, Reviewer Comments and Author’s Rebuttal have been submitted.
PROOFREADING

- Paper was carefully Proofread and Edited.
- Results are clearly summarized and discussed in the Abstract, Results section, and Conclusion.

ESTIMATES AND UNCERTAINTIES

- All quantities are written with correct units.
- Uncertainties have been properly estimated.
- Uncertainties have two significant digits.
- Numerical estimates have precisions in accord with Uncertainties.
- Numerical estimates are expressed as (eg.) $123.45 \pm 0.67$.
- No numbers start with a decimal point (instead of .67, write 0.67).

FIGURES AND TABLES

- Figures and Tables are properly numbered, displayed and formatted.
- Each Figure and Table has an informative caption.
- Each Figure and Table is mentioned in the text (referred to as: Figure 1, Table 1)
- The source for each Figure is properly cited.
- Graph Axes are clearly labeled.
- Things are *illustrated* or *displayed* in Figures—not *shown* or *seen*.
EQUATIONS AND MATH

- Each equation is displayed on its own line with a properly formatted equation number.
- Each equation is incorporated as a part of a sentence with proper punctuation.
- The text following each equation is properly formatted.
- All symbols and variables have been clearly defined.
- Equations discussed in the text are referenced properly (e.g., (1) for equation 1).
- An asterisk, *, is not a multiplication symbol (use × or ·).
- Write exponents properly (e.g., $10^8$), use engineering notation (1E8) only if necessary.

GRAMMAR

- Each paragraph expresses one and only one idea or thought.
- There are no sentence fragments.
- There are no run-on sentences.
- Sentences do not start with a number or a variable.
- All acronyms are defined when first used.
- Expressions or numbers are substituted into, not plugged into, equations.
- The words number and amount have been used properly.
- Integers less than or equal to ten that appear in text are written in English (five instead of 5).

PHYSICS

- Problems identified during the experiment have been thoroughly investigated and corrected.
- Literature values have been researched, discussed, and properly cited. There are no “true” or “correct” values. Some may be “accepted values” or “previously-published values” but these require a citation.
- The correct speed of light has been used (for example, the speed of light is not $3 \times 10^8$ m/s).