☐PHYS115 ☐PHYS121 ☐PHYS123
☐PHYS116 ☐PHYS122 ☐PHYS124
<u>Lab Cover Letter</u>

Author (*You*) _Trevor Swan_   Signature: _____

I declare that this assignment is original and has not been submitted for assessment elsewhere, and acknowledge that the assessor of this assignment may, for the purpose of assessing this assignment: (1) reproduce this assignment and provide a copy to another member of faculty; and/or (2) communicate a copy of this assignment to a plagiarism checking service (which may then retain a copy of this assignment on its database for the purpose of future plagiarism checking).

Lab Partner(s) _Pratham Bhashyakarla_

Date Performed _4/8/25_   Date Submitted _4/15/25_

Lab (*such as #1: UNC*) _#6: LCR_

TA: _Samantha_

<p align="center"><u>GRADE</u> (<i>to be filled in by your TA</i>) See your TA for detailed feedback.
An '<i>x</i>' next to a subcategory means you need to improve this aspect of your work.</p>

Paper Subtotals (points)

(   ) **General (6)**
_____ Sig. figs.
_____ Units
_____ Clarity of Presentation
_____ Format

(   ) **Abstract (4)**
_____ Quantity or principle
_____ How measurement was made
_____ Numerical Results
_____ Conclusion

(   ) **Intro & Theory (9)**
_____ Basic principle
_____ Main equations to be used
_____ Apparatus
_____ What will be plotted
_____ Fitting parameters related

(   ) **Exp. Procedures (15)**
_____ Description
_____ Stating and justifying uncertainties
_____ Data Record
_____ Quality of Lab Work

(   ) **Analysis & Error Analysis (20)**
_____ Discussion
_____ Equations & Calculations
_____ Presentation inc. Graphs, Tables
_____ Results Reported & Reasonable
_____ Underlined items addressed

(   ) **Discussion & Conclusions (6)**
_____ Numerical comparison of results
_____ Logical conclusions
_____ Discussion of pos. errors
_____ Suggestions to reduce errors

(   ) **Paper Total (60 points)**
     (30 points for CME or EPF)

(   ) **Notebook (10 points)**
_____ Format (*proper style, following directions*)
_____ Apparatus (*brief description of equipment, including sketches*)
_____ Data (*including computer file names and manually recorded data*)
_____ Experimental Technique (*describing your procedures; stating & justifying uncerts.*)
_____ Analysis (*results and errors*)

(   ) **Worksheet(s)/Fill-in-the-Blank-Report (30 points)** *if applicable*

(   ) **Adjustments** – late submissions, improper procedures, etc. – or bonus points for exceptional work.

(   ) **Total Grade**

Graded by _____ (TA's initial)