

☐ **PHYS115** ☐ **PHYS121** ☐ **PHYS123**
☐ **PHYS116** ☐ **PHYS122** ☐ **PHYS124**
Lab Cover Letter

Author (*You*) _____ 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) _____

Date Performed _____ Date Submitted _____

Lab (*such as #1: UNC*) _____

TA: _____

GRADE (*to be filled in by your TA*) See your TA for detailed feedback.
 An 'x' next to a subcategory means you need to improve this aspect of your work.

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*)