

☐ **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 uncersts.*)
 ____ 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)