PHGN 326  2019 Thursday Section Grading Checklist:

Abstract: 10/100 points
_________ Statement about what is being measured?
_________ Model (or established result) Given?
_________ Apparatus/Method mentioned?
_________ Quantitative Result, Error, Model Comparison?
_________ Significant Figures OK?
_________ Spelling, Grammar, Logic OK?

Figures and Plots: 30/100 points
_________ Figure/Plots are relevant to the report
    Hand drawn apparatus sketches OK,
    Photos should include arrows/labels for clarity
    At least 1 figure of apparatus (diagram, sketch or photo)
_________ Axes labeled including units, fonts easily readable
_________ Data points include errors where applicable

Data and Error Analysis: 30/100 points
_________ Data w/errors Listed Clearly, if small number <10 of measurements
_________ Appropriate number of measurements made
_________ Significant Figures consistent with errors
_________ Sources of error
    Explained and listed
    All major systematic errors discussed, at least briefly
_________ Calculation of final error(s)
    Enough information to follow how final errors were calculated
    Error on final result(s) consistent with propagation of input errors

Writing: 30/100 points
_________ Clarity of writing
    Minimum of fluff, sentences are clear, logic is good
    Spelling & Grammar OK
_________ Model Explained and all parameters in equation defined
_________ Apparatus described (briefly)
_________ Procedure – summarize steps that were not given to you
_________ Logical argument whether the data did or did not support the model (or established result)
    (this could be placed in the conclusion)
_________ References
    Cited in text, not just listed at end, Include date, and if book, the page
    Figures taken from other sources cited in figure caption
_________ Conclusion is a conclusion, not a recap

General
_________ Report demonstrates the lab was performed thoughtfully

Grader Name: ___________________  Comments: