AS202 Lab Grading Rubric

**Formatting** – The lab report is well organized, and includes important parts of the lab report labeled correctly and in the proper order. Lab should be printed and stapled.
*Score: ___/5*

**Abstract** – Written last but appearing first after the title in the paper, this summarizes the paper, emphasizing the importance of the concepts and important results and conclusions based on those results, while still mentioning procedures.
*Score: ___/4*

**Introduction** – Introduces concepts studied by the lab, and why they are important. While not going into particulars of either procedural or analytic steps, mentions any expectations for results.
*Score: ___/6*

**Procedure** – States what materials were needed for the lab, and what measurements or observations were made during the course of the lab to *produce* the data. Should be understandable without the lab handout. Is not a list, nor a set of lists.
*Score: ___/20*

**Analysis** – States what analytic tools (such as equations) are used in the analysis to produce the results for the lab. Should also mention/justify why those tools were chosen. Data may be included in this section. Includes all results, including important intermediate results between the data and the final results. Results are easy to find and read.
*Score: ___/20*

**Error Analysis** – States the sources of errors in the data, and, quantitatively, how the errors can be taken into account. (Which formulas are used? Why?) Includes the results of error analysis tools (such as the standard deviation of measurements.) If there are errors present in the measurements that cannot be quantified, those are also mentioned, and why they cannot be quantified.
*Score: ___/20*

**Discussion/Conclusions** – Compares the results (by mentioning what they were) to the hypothesized results. (Are they similar? Why or why not? What can be learned from this?) States how the results relate to the important concept that was introduced in the introduction as the reason behind doing the lab. Mentions possible improvements/further ideas for how to continue studying the concept.
*Score: ___/5*

**Data** – The original data sheet taken during lab, or a photocopy of that same original data sheet.
*Score: ___/20*

**Total:** ___/___

**Grading notes:**