A Typical Lab Report Format: ***(****third person/passive voice)*

- **Title Page**

- **Introduction (5 points)**
  The introduction will state the objective for performing the lab in your own words. Overall, it should let the reader know why you performed this experiment and have an idea of what results were sought.

- **Materials and Methods (15 points)**
  In this section, clearly list the materials used and then describe the setup of the equipment. In another paragraph, describe (do not list) exactly what you did during the lab to take data.

- **Data† (10 points)**
  Record all measurements and any other data in a ***clear, typed spreadsheet***. Make sure that the data is clearly labeled as to what it is. When applicable, diagrams and any other "physical data" should be included.

- **Data Analysis† (25 points)**
  In this section, you will take all relative data and begin to extract your results through the use of formulae. Use the correct number of significant figures and the correct units. Use short phrases to explain each calculation or graph.

- **Discussion† (40 points)**
  From your data analysis, you should have come up results that will hopefully support the whole purpose of the experiment. Start this section with a table of results from the data analysis. Follow this table with a paragraph on how your results are relevant and how it compares with reference data. Finally, write a paragraph about types and sources of error. This means discuss what problems that may have been confronted (both quantity and measurement) in the experiment and whether they were random (human) or intrinsic (non-human).

- **Conclusion (5 points)**
  Summarize the experiment and whether or not you met the objective successfully.

- **Appendices**

---

† Be sure to use both SI and US customary units.