

## Lab Report Grading Rubric

Section	Description	Points
<b>Partner Name(s)</b>	Include the name of your partner(s) at the upper right-hand corner of the first page of the lab report.	1
<b>Experiment Description from the Handout</b>	<ul style="list-style-type: none"> <li>• Title</li> <li>• Objective</li> <li>• Theory</li> <li>• Equipment (<i>include the serial numbers/models of the equipment that you use for the experiment</i>)</li> <li>• Procedure</li> </ul>	2
<b>Theory</b>	<ol style="list-style-type: none"> <li>1. The theory/principle/law associated with the lab is clearly stated.</li> <li>2. Explained how the theory will be used to accomplish the objective of the experiment.</li> <li>3. Derivation and/or proof of the equations is done clearly and logically.</li> </ol>	2
<b>Data</b>	<ol style="list-style-type: none"> <li>1. All data is labeled, organized, and easy to read.</li> <li>2. Used table-format whenever appropriate</li> <li>3. Data measurements were taken correctly.</li> <li>4. Used appropriate significant figures and units.</li> <li>5. Graphs have correct axis labelled, units, and scales.</li> <li>6. Photo of your measurements</li> </ol>	5
<b>Calculations</b>	<ol style="list-style-type: none"> <li>1. Calculations are labeled with equations shown.</li> <li>2. Calculations are clear and legible.</li> <li>3. Calculations are done correctly</li> <li>4. Calculations have the correct number of significant figures and units.</li> <li>5. % error calculation shown.</li> </ol>	5
<b>Conclusion</b> Write the conclusion in outline-number form.	<ol style="list-style-type: none"> <li>1. Includes a summary of the results of the experiment and the % error involved.</li> <li>2. Addresses the experimental objective and <b>explains</b> if it was accomplished or not based on experimental results and % error involved.</li> <li>3. Provides and explains one systematic error involved in the experiment and explains how it affected the outcome of the experiment and the % error involved.</li> <li>4. Provides and explains one random error involved in the experiment and explains how it affected the outcome of the experiment and the % error involved.</li> </ol>	5
<b>Total</b>		20