DC Circuits Rubric: Lab will be graded on a 10--point system as shown:

Title Page: 0.5pt
- Contains all information shown in the syllabus document on Blackboard or the website, 0.1 pt deduction for each missed value or position up to 0.5 pt.

Aim: 0.5 pts
- Clearly states the aim of the experiment in one statement.

Introduction (Theory/Background): 1.0pt
- Clearly stated purpose or hypothesis for the laboratory and included all relevant background and theory (0.5 pt).
- Relevant equations are introduced and defined (0.5 pt).

Procedure and Circuits: 1.0 pt
- Clearly describes procedure including materials without bullet lists but complete sentences (0.5 pt)
- Provides annotated (labeled) sketch or diagram of the equipment used and how the equipment is connected, including the sketch from Part 4. (0.5 pt)

Results and Discussion: 5.0 pts
- Circuit diagram for each part of the experiment
- Plot of current versus 1/R for Ohm’s law with a linear fit
- Results of values of equivalent resistance in series and parallel combinations presented in tables
- Current, Voltage, and Resistance for each of the resistance, and the total circuit current (parallel) and total circuit voltage (series)
- Comparison of measured and calculated quantities
- Discussion of results

Conclusion: 1.0 pt
- Summaries without repetition overall results of experiment (0.5 pt).
- Clearly states agreement/disagreement of results with theory (0.5 pt).

Samples Calculations: 1.0 pt
- Calculate the percent difference between the measured current (2\textsuperscript{nd} column) and the calculated current (voltage/resistance) (4\textsuperscript{th} column) in Table 3.1.

Note: Additional points may be lost based upon General Format, Grammar, Appearance and Content: up to 1pt total deduction possible
- Conciseness of content up to 0.25 pt deduction
- Grammar and use of complete sentences up to 0.25 pt deduction
- No table/figure caption and no numbering 0.1 pt per table/figure
- Missing table column units or missing axes labels/graph title 0.1 pt per table/figure
- No page numbers – 0.1 pt deduction
- Poor formatting of content - up to 0.25 pt deduction
- References: can lose up to 0.25 pt if missing reference to website or text of image used in write up or missing quotations on copied text. If references are found to be missing with image or text copied directly from another source, the lack of referencing will be taken as an honor code violation.