

AME 21216 – Score Sheet

A2 – Electronics I

NDID#: _____

Lab Section (Day/time): _____

For more details on any of the items below, please refer to the lab handout.

Item and Description	Points Awarded	Possible Points
Technical writing – Using the correct format, address all questions from the lab handout in the paragraphs.		4
For the lightbulb, a table containing: • Measured current • Measured voltage • Measured OFF resistance • ON resistance (calculated from measured current and voltage) • Power dissipated (calculated from measured current and voltage)		6
For the voltage divider, a plot of measured V_{out} as a function of R_1 with theoretical curve		4
TOTAL		14

Guidelines for Deliverables

- Use a 12 point “serifed” font such as Times New Roman.
- Document should be double-spaced.
- Document should have 1” margins in all directions.
- Page numbers are required centered at bottom of screen.
- Equations must be numbered.
- All variables must be italicized.
- All variables in an equations must be defined (i.e. “where c is the speed of sound”).
- Theoretical curves should always be smooth and continuous.
- Measured data should be individual markers. If there are more than 20 measured data points, you connect them or use a continuous line.
- Plots should always have axes clearly labeled with units.
- Plots should always be centered with captions *beneath* labeled Fig. 1, etc.
- **Tables** should always be centered with captions *above* labeled Table 1, etc..
- **Tables** should have black text on white background with 12 point Times New Roman.
- **Tables** should have the text centered both horizontally and vertically.
- Captions should be the same font as the rest of the document.
- Do NOT use the * symbol to denote multiplication.
- NO TITLES ON GRAPHS

References – Tech memos must include at least one reference. These can be data sheets from the lab website, articles from the internet, the textbook, etc. References should follow the ASME format. (<https://www.asme.org/shop/proceedings/conference-publications/references>)