

AME 21216 – Deliverables Score Sheet

A3 – Electronics I

Author name or 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
Captions on plots – Please address all questions from the lab handout in the captions.		5
Plot of V_{out} vs. R_2 with theoretical curve for voltage divider		3
Derivation of battery current, voltage, and power output as a function V_{OC}, R_S, and R_L		3
Plot of battery voltage V_{out} vs. R_L with theoretical curve		3
Plot of battery power q_L vs. R_L with a vertical line at $R_L = R_S$ and theoretical curve		3
TOTAL		17

Guidelines for Deliverables

- All figures and tables are properly labeled (i.e. Figure 1, Table 1, etc.) with captions.
- All plots should be made in Matlab. Do NOT use excel to make plots.
- Axes on figures must be labeled with units, and plots with multiple data sets must include a legend.
- Note that any curve fit or theoretical curve must be plotted as a *smooth, continuous* line, and the equation for said curve *must* be included as a numbered equation in the main text with all the variables defined.
- Equations must be numbered, and the variables must be defined (i.e. “where c is the speed of sound.”).
- Variables should be written in italics.

- Students, please **print and proofread** the hardcopy of your deliverables before you turn it in. Sometimes, equations and figures do not print correctly!