AME 21216 – Tech Memo Score Sheet

A5 – Electronics II

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
Talking Points – Please address all questions from the lab handout in the paragraphs and captions.		3
Plot of measured high-pass filter amplitudes V_{OUT} vs. f with theoretical curves		3
Plot of measured high-pass filter phase Φ vs. f with theoretical curves		3
Plot of non-dimensional, collapsed data $\lvert V_{OUT} / V_{IN} \rvert$ vs. ωRC with theoretical curve		3
Plot of non-dimensional, collapsed data Φ vs. ωRC with theoretical curve		3
Plot of measured filter output $\lvert V_{OUT} / V_{IN} \rvert$ vs. frequency f for filter design (Part II)		3
TOTAL		18

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. (i.e. Make a new vector using linspace() for the independent variable.)

- 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!