AME 21216 – Tech Memo Score Sheet

A5 – Electronics II

NDID#:_____

Lab Section (Day/time): _____

Item and Description	Points Awarded	Possible Points
Technical Writing – Please address all questions from the lab handout in the paragraphs and captions. You should have the relevant equations in your paragraphs.		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		4
Plot of non-dimensional, collapsed data Φ vs. ωRC with theoretical curve		4
Plot of measured filter output $\lvert V_{OUT} / V_{IN} \rvert$ vs. frequency f for filter design (Part II)		3
TOTAL		20

Technical Writing

- Include a *brief* summary of the procedure.
- Discuss the results using college-level English.
- Answer the suggested talking points at the end of the lab handout.
- Do *not* write a first-person narrative. Rather, write it as a declaration of objective observations, scientific facts, and logical deductions.

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 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.
- 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)