

AME 21216 – Tech Memo Score Sheet

A4 – 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 V_{OUT}/V_{IN} vs. ωRC with theoretical curve		4
Plot of non-dimensional, collapsed data Φ vs. ωRC with theoretical curve		4
Plot of measured filter output V_{OUT}/V_{IN} 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>)