

## AME 21216 – Tech Memo Score Sheet

### A10 – Transient Signals

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
<b>Technical writing and format</b> – Please address all questions from the lab handout in the paragraphs and captions. You should have the relevant equations in your paragraphs!		5
<b>Plot of measured transient temperature <math>T</math> vs. <math>t</math></b> (All four data sets on the same graph with a legend)		4
<b>A table containing the 4 time constants <math>\tau</math> for the thermocouples in water</b>		4
<b>Plot of measured amplitude vs. driving frequency with theoretical curve for ultrasonic transducer</b>		5
<b>A table containing the resonance frequency <math>f_0</math> for the UT and damping ratio <math>\zeta_{UT}</math> for the UT</b>		2
<b>TOTAL</b>		20