

## 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> for the 1/16" T.C.</b> (both heating and cooling on same plot)		3
<b>Plot of measured transient temperature <math>T</math> vs. <math>t</math> for the 1/4" T.C.</b> (both heating and cooling on same plot)		3
<b>A table containing the 4 time constants <math>\tau</math> for the thermocouples in water</b>		2
<b>Plot from FFT code of amplitude vs. frequency for one of the baseball bats</b>		2
<b>Plot of measured strain gauge output vs. time with curve fit for one of the baseball bats</b>		4
<b>TOTAL</b>		19