

## AME 21216 – Tech Memo Score Sheet

### A9 – Practical Implementation of Sensors

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</b> – Please address the “talking points” in your captions and paragraphs		5
<b>Plot of linear calibration data mass vs. voltage for the cantilever beam</b>		3
<b>Equation of best fit for the linear calibration of mass vs. voltage of the cantilever beam*</b>		1
<b>Plot of measured mass vs. number of ping pong balls with linear curve fit</b>		3
<b>Estimated mass of a single ping pong ball compared with value from reference*</b>		1
<b>Table containing the photocell voltages for the different colored balls and the empty cup</b>		3
<b>Plot of the photocell output voltage vs. time for several periods of oscillation for PS3 fan</b>		4
<b>Plot containing temperature vs. time for (on left scale) and fan speed vs. time (on right scale)</b> (Use ‘yyaxis’ or ‘plotyy’ command in Matlab)		5
<b>TOTAL</b>		25

\*These should go in the paragraphs corresponding to the respective plots.