

## AME 40453 – Tech Memo Score Sheet

C3 – PID with LabView

NDID#: \_\_\_\_\_

For more details on any of the items below, please refer to the lab handout.

**For all plots listed below, include a horizontal line denoting the set-point temperature.**

Item and Description	Points Awarded	Possible Points
<b>Technical writing</b> – Using the correct format, address all questions from the lab handout, and include equations from the pre-lab.		5
<b>Part III - A plot of the temperature vs. time for at least 3 different values of <math>k_p</math>.</b>		5
<b>Part IV - Some of the temperature vs. time traces (all on the same graph) for different values of the gains.</b>		5
<b>Part V - A plot of the temperature vs. time traces (both on the same graph) for the tuned PI and PID controllers.</b>		5
<b>Part V - A table containing the optimal gains for the PI and PID controller determined using the Ziegler-Nichols tuning method.</b>		5
<b>TOTAL</b>		25