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