AME 40453 – Tech Memo Score Sheet

C8 – Inverted Pendulum

NDID#:_____

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

Please include a horizontal line denoting the set-point angle for the relevant plots listed below.

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
A table containing the system parameters: m, R, λ, ω_d, the LQR feedback gains k_p and k_d, and the weight R used to limit actuation.		5
A plot of the angle vs. time for some of your tests of the open loop controller from Part III.		5
A plot of the angle vs. time for some of your tests of the LQR controller from Part IV.		5
TOTAL		20