

MEM 351 Tentative Lab Schedule – Summer 2008

Last Updated: 06/28/08

Week	Topic
Week 1 07/01/08	Lecture Course Intro – Pendulum Equations of Motion
Week 2 07/08/08	Lecture Block diagrams, Transfer Functions, Poles and Zeros Lab 1 LabVIEW-NI-DAQ Basics I Homework 1 Representations (due next week)
Week 3 07/15/08	Lecture State space realizations Lab 2 LabVIEW-NI-DAQ Basics II
Week 4 07/22/08	Lab 3 System Identification with Experimentally Acquired Data Homework 2 Pendulum modeling (due next week)
Week 5 07/29/08	Lab 4 Matlab and Simulink tools for Dynamic Response Homework 3 Matlab/Simulink exercises (due next week)
Week 6 08/05/08	Closed-book Quiz 1
	Lecture Pole-Placement and PID Design Final Report 1 st Draft Due
Week 7 08/12/08	Lab 5 Matlab/Simulink design of pole placement Homework 4 Pole placement (due next week)
Week 8 08/19/08	Lab 6 Experimental implementation of PID
Week 9 08/26/08	Lecture Course Review Final Report (due next Week) Closed-Book Quiz 2
Week 10 09/02/06	FINALS WEEK – No Classes – Final Report Hard Copy Due