

## MEM 351 Tentative Lab Schedule – Winter 2007

Week	Topic	
Week 1 01/09/07	Lecture	Course Intro – Pendulum Equations of Motion
Week 2 01/16/07	Lecture <b>Lab 1</b> <b>Homework 1</b>	Block diagrams, Transfer Functions, Poles and Zeros LabVIEW NI-DAQ Basics I Representations (due next week)
Week 3 01/23/07	Lecture <b>Lab 2</b>	State space realizations LabVIEW NI-DAQ Basics II
Week 4 01/30/07	<b>Lab 3</b> <b>Homework 2</b>	System Identification with Experimentally Acquired Data Pendulum modeling (due next week)
Week 5 02/06/07	<b>Lab 4</b> <b>Homework 3</b>	Matlab and Simulink tools for Dynamic Response Matlab/Simulink exercises (due next week)
Week 6 02/13/07	<b>Quiz 1 (closed-book)</b>	
	Lecture	Pole-Placement and PID Design
Week 7 02/20/07	<b>Lab 5</b> <b>Homework 4</b>	Matlab/Simulink design of pole placement Pole placement (due next week)
Week 8 02/27/07	<b>Lab 6</b>	Experimental implementation of PID Final Report 1 <sup>st</sup> Draft Due
Week 9 03/06/07	<b>Quiz 2 (closed-book)</b>	
	Lecture	Course Review
Week 10 03/13/07	Final Report Due	
Week 11 03/20/07	FINALS WEEK	