

## MEM 640 Tentative Lab Schedule – Spring 2008

Week	Topic	
Week 1 03/31/08	Lecture	Course Intro
Week 2 04/07/08	Lecture <b>Homework 1</b> Pre-Lab 1	Filters and Time Response Filters (due next week) Time response of Low Pass Filter
Week 3 04/14/08	Lab 1  <b>Lecture</b> <b>Homework 2</b> Pre-Lab 2	In class demo of Low Pass Filter time response <b>Write up</b> (due next week) Bode Plots Bode Plots (due next week) Bode plot of Low Pass Filter
Week 4 04/21/08	<b>Lab 2</b>  <b>Lecture</b> <b>Homework 3</b> Pre-Lab 3	In class demo of Bode Plot of Low Pass Filter <b>Write up</b> (due next week) Digital Systems (Zero Order Hold) Digital Systems Zero Order Hold phenomena
Week 5 04/28/08	<b>Lab 3</b>  <b>Lecture</b> <b>Homework 4</b>	In class demo of Zero Order Hold Phenomena <b>Write up</b> (due next week) Estimation Theory (least squares and Kalman) Estimation (due next week)
Week 6 05/05/08	<b>Closed-book Quiz 1</b>	
Week 7 05/12/08	<b>Lecture</b> Pre-Project <b>Homework 5</b>	Vibration Control Theory Piezo-electric sensing and actuation Vibration Control theory (due next week)
Week 8 05/19/08	Project Day	Piezo-electric vibration control system construction
Week 9 05/26/08	Project Demo	Piezo-electric vibration control (demos due in class)
Week 10 06/02/08	Final Report Due	
Week 11 06/09/08	FINALS WEEK	