

MAE 3810 - Experimental Methods Laboratory Fall 2013

Week	Lectures	Laboratory
Aug 27-30	Introduction	(beginning of classes)
Sep 2-6	Background, Lab 1 Uncertainty	Lab 1: electrical measurements
Sep 9-13	Uncertainty Background, Lab 2	Lab 1 continued
Sep 16-20	TBD TBD	Lab 2: thermal measurements
Sep 23-27	Hypotheses Hypothesis testing: thermal measurements	Lab 2 continued
Sep 30 – Oct 4	Background for lab 3 Data analysis for lab 3	Lab 3: displacement measurements
Oct 7-11	Design of Experiment	Lab 3 continues
Oct 14-18	(no lecture) (no lecture)	No lab (reading days)
Oct 21-25	Background for lab 4 TBD	Lab 4: air flow measurement
Oct 28-Nov 1	Uncertainty analysis for integrals, etc. Fan data analysis	Lab 4 continued
Nov 4 - 8	Background for lab 5 Analysis of beam data	Lab 5: vibration of a beam, accelerometers
Nov 11-15	TBD TBD	Lab 5 continued
Nov 18-22	Background for Lab 6 No lecture	Lab 6: Motor torque, power and efficiency
Nov 25-29	No Lecture	No lab (Thanksgiving)
Dec 2-6	Analysis of power data	Lab 6 continued
		(end of classes)