

MAE 3810 - Experimental Methods Laboratory Fall 2015

Week	Lectures	Laboratory
Aug 25-28	Introduction	beginning of classes, no labs
Aug 30-Sep 4	Background, Lab 1 Uncertainty	Lab 1: electrical measurements
Sep 7-11	Uncertainty Background, Lab 2	Lab 1 continued
Sep 14-18	TBD TBD	Lab 2: thermal measurements
Sep 21-25	Hypotheses Hypothesis testing: thermal measurements	Lab 2 continued
Sep 28 – Oct 2	Background for lab 3 No Lecture	Lab 3: displacement measurements
Oct 5-8	No lecture on Monday Background for Lab 3	No lab (reading days)
Oct 12-16	Design of Experiment Background for lab 4	Lab 3 continued
Oct 19-23	TBD TBD	Lab 4: air flow measurement
Oct 26-30	Uncertainty analysis for integrals, etc. Fan data analysis	Lab 4 continued
Nov 2 - 6	Background for lab 5 Analysis of beam data	Lab 5: vibration of a beam, accelerometers
Nov 9-13	TBD TBD	Lab 5 continued
Nov 16-20	Background for Lab 6 No lecture	Lab 6: Motor torque, power and efficiency
Nov 23-27	No Lecture	No lab (Thanksgiving)
Nov 30- Dec3	Analysis of power data	Lab 6 continued
		(end of classes)