

Tentative Schedule for AMS 162

Spring 2005

Date	Sections	Topics
March 29	1.1-1.5 2.1-2.6	Intro to the course Using R
31	3.1-3.6 3.8-3.9	Random variables
April 5	4.1-4.5 5.1-5.2, 5.4	Descriptive statistics, exploratory data analysis (HW #1 due)
7	6.1-6.6	Hypothesis tests
12	7.1-7.8	Experimental design basics (HW #2 due)
14	8.1-8.8	Factorial designs
19	8.9-8.12 9.1-9.5	More complex designs (HW #3 due)
21	10.1-10.3	Simple linear regression
26	10.4-10.8	Multiple regression (HW #4 due)
28	11.1-11.5	Multiple level designs
May 3		Review (HW #5 due)
5		Midterm Exam
10	12.1-12.3	Fractional designs
12	13.1-13.6 13.8	Response surface methodology
17	14.1-14.8	Response surface fitting (HW #6 due)
19		Individual meetings with professor to discuss projects
24		Pseudo-random numbers (HW #7 due)
26		antithetic variables
31		special topics
June 2		Final Project presentations