

Advanced Statistical Methods, Part II

Spring 2009

Time: MW 7⁰⁰ – 8¹⁵ pm

Room: FN 2.104

Instructor: Dr. Michael Baron

Office: ECSN 3.912

Phone: 972-UTD-6874

Internet: <http://www.utdallas.edu/~mbaron/6337>

<http://webct.utdallas.edu> (for grades, chat, discussion)

Office hours: Monday, Wednesday 12:00 noon – 1:00 pm

Texts: (1) *Applied Linear Statistical Models* by Kutner, Nachtsheim, Neter, and Li, 5-th edition, McGraw-Hill, 2004 (required): Parts 4–6

(2) *SAS and SPSS Program Solutions for Use With Applied Linear Statistical Models* by W. D. Johnson and W. H. Replogle (not required)

or

A Step-by-Step Approach to Using the SAS System for Univariate and Multivariate Statistics

by L. Hatcher and E. Stepanski, SAS Publishing (not required)

(3) *SAS OnlineDoc^(R), Version 8*

at <http://www.okstate.edu/sas/v8/sashtml/main.htm>

<i>Grading:</i>	Two midterm exams	=	20% each
	Final exam	=	30%
	SAS projects	=	30%

97 – 100	% = A+	90 – 97	% = A	86 $\frac{2}{3}$ – 90	% = A–
83 $\frac{1}{3}$ – 86 $\frac{2}{3}$	% = B+	80 – 83 $\frac{1}{3}$	% = B	75 – 80	% = B–
70 – 75	% = C+	60 – 70	% = C	0 – 60	% = F

Homework: Homework will be assigned but will not be collected or graded. A steady effort to work out all the assigned problems is essential for learning statistical methods and successful performance in this course.

Exams: Each exam will cover the material learned during the previous month. During an exam, you may use your notes, textbook, calculator, and tables of distributions.

Projects: Every 3-4 weeks, a project will be assigned, where recently acquired statistical methods will be used to analyze various data sets - the ones given on a CD attached to the textook as well as some others. Projects should be done in SAS. A report containing the SAS code, *only essential parts* of the output, your comments, results, and answers should be submitted for grading.