

SYLLABUS

Subject:	Statistical Analysis (STA 5206)
Lecture:	MW 6:00-7:15 pm, Room 212, BA
Instruction Period:	Monday, 08/25/2008 - 12/06/2008
Holidays:	Labor Day (Monday, 09/01/2008) Veteran's Day (Tuesday, 11/11/2008) Thanksgiving (11/27 Thursday - 11/29)
Instructor:	Xiaogang Su Room 102, Computer Center II (407) 823-2940 [O] xiaosu@mail.ucf.edu
Office Hours:	M 4:00-5:00pm and W 3:00-4:00pm
Text Book:	Schlotzhauer, S. D. and Littell, R. C. <i>SAS System for Elementary Statistical Analysis</i> , Cary NC: SAS Institute Inc.
Course Web Page:	http://pegasus.cc.ucf.edu/~xsu/CLASS/STA5206/
Prerequisite:	STA 2023

Course Objective: to provide an coverage of commonly used statistical methods and show how to use them with SAS to analyze data and interpret results. Specific Topics to be Covered include: data input in SAS; estimation and hypothesis testings; one/two sample inferences; analysis of variance/covariance, and multiple comparisons; regression analysis (simple and multiple linear regression models and model diagnostics); and elementary nonparametric methods. The following SAS procedures (but not limited to them) are used: PROC ANOVA, PROC CHART, PROC CORR, PROC GLM, PROC MEANS, PROC NPAR1WAY, PROC PLOT, PROC RANK, PROC REG, PROC TTEST, PROC UNIVARIATE.

Grading Policy: There will be four midterms (the lowest score will be dropped) and one comprehensive final exam, plus computer projects and a few in-class pop quizzes, which, in together, add up to the final grade. Homework assignments will be made available on the course web page. No homework will be collected. But you are highly recommended to do homework regularly and independently.

Exam	Time and Date	Proportion
Midterm I	6:00-7:15 pm, Wed. 9/24	15%
Midterm II	6:00-7:15 pm, Wed. 10/15	15%
Midterm III	6:00-7:15 pm, Wed. 11/05	15%
Midterm IV	6:00-7:15 pm, Wed. 11/19	15%
Final	4:00-6:50pm, Wed. 12/10	25%
Projects	TBA	30%
Quizzes	In-Class	5%

The criterion for assigning grades is listed below. Note these percentages are out of 105. Incomplete grades and make-up exams are given only in extreme instances and only with prior permission of the instructor. If you expect to miss up to 10 class hours for any reason, then please do not consider taking this course.

Range	94+	93-90	89-87	86-83	82-80	79-77	76-73	72-70	69-67	66-63	62-60	59-0
Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F