

SYLLABUS

Subject: Statistical Methods III (STA4164)
Lecture: MWF 1:30 am - 2:20 pm, Room 336, MAP
Instruction Period: Monday, 08/24/2009 - Monday, 12/07/2009
Holidays: Labor Day (Monday, 09/07/2008)
 Veteran's Day (Wed., 11/11/2008)
 Thanksgiving (11/26 Thursday - 11/28, Sat.)
Instructor: Dr. Xiaogang Su
 Room 102, Computer Center II
 (407) 823-2940 [O]
xiaosu@mail.ucf.edu
Office Hours: MW 12:30-1:30 pm
 or By Appointment via Email
Text Book: Kutner et al. (2004) *Applied Linear Statistical Models*, the fifth Edition.
 McGraw-Hill/Irwin. ISBN-13: 978-0073108742
Course Web Page: <http://pegasus.cc.ucf.edu/~xsu/CLASS/STA4164/>
Prerequisite: STA 4163 (Statistical Method II) or STA 4165
Computing R – a free version of SPLUS.

- **Course Objective:** The goal of this course is to continue our further study of regression analysis. Topics to be covered include: Simple/Multiple Linear Regression Models, Model Diagnostics, Model Selection, ANOVA (including multiple comparisons, ANCOVA, repeated measures), plus an introduction to logistic regression and poisson regression (if time allows).
- **Grading:** There will be five midterm exam (the lowest score will be dropped), three (or more) computer projects, one comprehensive final exam, which add up to your final grade. There is no make-up exam for ANY reason and no late project submission is accepted for ANY reason. From time to time, we will have in-class pop quizzes, which makes up 5% of your final grade. If you expect to miss up to 10 hours of classes for any reason, then please do not consider taking this course. The comprehensive final exam will be cumulative and mandatory. The grading scale is given below, noting that the total score is 105. Incomplete grades are not assigned unless in extreme situations.

	Time and Date	Proportion
Midterm I	1:30-2:20pm, Fri 09/11	15%
Midterm II	1:30-2:20pm, Fri 10/02	15%
Midterm III	1:30-2:20pm, Fri 10/23	15%
Midterm IV	1:30-2:20pm, Fri 11/6	15%
Midterm V	1:30-2:20pm, Wed 11/25	15%
Computer Projects	TBA	15%
Quizzes & Attendances	TBA	5%
Final	1:00-3:50pm, Mon 12/14	25%

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

Homework will not be collected and graded. However, you are strongly recommended to do homework regularly and independently.