

SYLLABUS

Subject:	STA 5505 Categorical Data Analysis
Lecture:	MTWR 4:00-5:50 pm, Room 207, BA
Time Length:	06/13/2008 - 08/01/2008
Instructor:	Dr. Xiaogang Su Room 102, CC II (407) 823-2940 [O] xiaosu@mail.ucf.edu
Office Hours:	MW 2:00-3:00 pm
Text Book:	<i>An Introduction to Categorical Data Analysis</i> , 2nd Edition, by Alan Agresti (1990), John Wiley & Sons: New York.
Course Web Page:	http://pegasus.cc.ucf.edu/~xsu/CLASS/STA5505
Prerequisite:	STA 4163 or STA 5206
Computing	SAS or R

- **Course Summary:**

The class covers discrete probability distributions, tests for contingency tables, McNemar's Test, and Mantel-Haenszel test, measures of association, loglinear models, logistic regression models, multcategory logit models. If time allows, then we will also consider models for matched pairs, correlated, clustered responses.

- **Useful References**

- M. E. Stokes, C. S. Davis, and G. G. Koch (2001). *Categorical Data Analysis Using the SAS System*. 2nd Edition. Wiley-SAS.
- A. Agresti. (1990). *Categorical Data Analysis*, 2nd Edition, John Wiley & Sons: New York.

- **Grading:** There will be four midterms (the lowest score will be dropped) and one comprehensive final exam, which adds up to the final grade. Homework assignments will be made available on the course web page. No homework will be collected. However, you are strongly recommended to do homework regularly and independently.

Exam	Time and Date	Proportion
Midterm I	4:00-5:50pm, 06/26 Thursday	25%
Midterm II	4:00-5:50pm, 07/10 Thursday	25%
Midterm III	4:00-5:50pm, 07/17 Thursday	25%
Midterm IV	4:00-5:50pm, 07/24 Thursday	25%
Final	4:00-5:50pm, 07/31 Thursday	30%

The criterion for assigning grades is listed as follows. Note that the total score is based on 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 hours of classes, 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