

SYLLABUS

Subject:	Nonparametric Statistical Methods
Lecture:	MWF 10:30-11:20 am, 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 2:30-3:30 pm
Text Book:	Sprent, P. and Smeeton, N.C. (1999). <i>Applied Nonparametric Statistical Methods</i> the fourth edition. Chapman & Hall/CRC.
Course Web Page:	http://pegasus.cc.ucf.edu/~xsu/CLASS/STA4502/
Prerequisite:	An elementary course in mathematical statistics
Computing	R – a free version of SPLUS.

- **Course Objective:** Some classical nonparametric statistical methods for one-sample, two or more samples inferences, nonparametric regression, etc. will be covered in this course. Specific techniques include tests based on binomial distribution, contingency tables, rank-based methods, and statistics of the Kolmogorov-Smirnov type, robust estimation.
- **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	10:30-11:20am, Fri 09/11	15%
Midterm II	10:30-11:20am, Fri 10/02	15%
Midterm III	10:30-11:20am, Fri 10/23	15%
Midterm IV	10:30-11:20am, Fri 11/6	15%
Midterm V	10:30-11:20am, Wed 11/25	15%
Computer Projects	TBA	15%
Quizzes & Attendances	TBA	5%
Final	10:00-12:50, 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.