

Course Syllabus for STA 4322 and STA 5328

Fall 2010

STA 4322 Section 4445 Introduction to Statistics Theory
STA 5328 Section 7620 Fundamentals of Statistics Theory
Fourth Period 10:40 - 11:30AM MWF Room 100 Griffin-Floyd Hall

Instructor: Ronald H. Randles
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The objectives of this course is to introduce students to the basic aspects of the theory of statistical inference. It will cover χ^2 , t and F distributions, point estimation, tests of hypothesis, goodness of fit, comparisons of two samples and analysis of variance.

Textbook: Wackerly, Mendenhall and Scheaffer, *Mathematical Statistics with Applications* (7th ed), Brooks/Cole Publishing Co., 2008.

Grading:

Exam 1	100 points
Exam 2	100 points
Homework	50 points
Quizzes	50 points
Final Exam	<u>100 points</u>
	400 points

Grading Scale:

Grade boundaries will be no higher than,

A = 400 - 370	A- = 369 - 360	B+ = 359 - 350	B = 349 - 330	B- = 329 - 320
C+ = 319 - 300	C = 299 - 280	C- = 279 - 270	D = 269 - 235	E = 234 - 0

Exam Dates:

Exam 1	tenative	Wednesday, September 29	night	TBA
Exam 2	tentative	Wednesday, November 03	night	TBA
Final Exam	Wednesday	December 15	5:30-7:30PM	regular classroom

Quizzes and Exams:

Quizzes will be announced, frequent and short. They measure mastery of focal questions. The lowest 2 quiz scores will be dropped and the percent recieved out of the remaining will be applied to 50 points. There are NO MAKEUP QUIZZES for any reason. The final exam will be comprehensive. Coverage lists will be issued for all exams.

Homework:

Homework exercises will be assigned in daily assignments. Selected problems will be collected and graded periodically during the term. Homework is due during the class period on the days it is to be collected. NO LATE HOMEWORK will be accepted for any reason.

Course Textbook Coverage:

Chapter 7: 7.1 - 7.5

Chapter 8: 8.1 - 8.9

Chapter 9: 9.1 - 9.7

Chapter 10: 10.1 - 10.11

Chapter 11: 11.1 - 11.12

Chapter 13: 13.1 - 13.5, 13.7

STUDY GUIDE: Before each class the sections to be covered, problems assigned and class focal questions will be given. They will also be included on the class website.

Before each class you should:

1. Go over previous class notes. Learn the answers to the focal questions.
2. Read the text material covered in the previous class.
3. Work the problems assigned in the previous class.

ABOUT THE DEPARTMENT OF STATISTICS:

The Department of Statistics at the University of Florida is one of the nation's leading statistics departments. The Department awards approximately 15 Bachelors degrees, 14 Masters degrees, and 8 Ph.D. degrees per year. The Statistics Department, chaired by Professor Michael Daniels, has a faculty of 20 members whose research interests include both theoretical and applied statistics. We welcome inquiries about our programs. The Statistics Department's main office is 102 Griffin-Floyd Hall (telephone 392-1941). You are welcome to visit the Department's website at <http://www.stat.ufl.edu>.