STA4321 (Section 1055) Introduction to Probability Summer A 2009
STA5325 (Section 1057) Fundamentals of Probability

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CLASS: MTWRF - 2nd Period (9:30-10:45AM), Room G086 MCCB

CLASS WEB SITE: http://www.stat.ufl.edu/~rrandles/sta4321

OBJECTIVE: The sequence of courses STA 4321-4322 is designed to give the undergraduate student a firm foundation in the basic theory of statistical inference. Three semesters of calculus are required in order to understand the course material. Since probability theory is the primary mathematical tool used in statistical inference, the first course, STA 4321, is devoted almost entirely to concepts of probability and distribution theory and their applications. STA 4322 deals primarily with the classical theory of estimation and hypothesis testing and their applications.

PREREQUISITES: MAC 2311, MAC 2312, and MAC 2313

GRADING:

Exam 1	100 points
Exam 2	100 points
Final Exam	100 points
Quizzes	60 points
Homework	40 points
	400 points

SCHEDULE:

Week 1: Sections 1.1 - 1.6, 2.1 - 2.11

Week 2: Sections 2.12, 3.1 - 3.9, 3.11; Exam 1

Week 3: Sections 4.1 - 4.10 (Holiday on Monday)

Week 4: Sections 5.1 - 5.9, 5.11; Exam 2

Week 5: Sections 6.1 - 6.5

Week 6: Sections 7.1 - 7.4; Final Exam

EXAMS:

1st Exam:	Friday, May 22
2nd Exam:	Friday, June 5
Final Exam:	Friday, June 19

Quizzes and Exams: Quizzes will be frequent, brief and will emphasize the focal questions presented rather than the problems. All quizes are announced on the previous class day. The lowest 2 quiz scores will be dropped and the percent recieved out of the remaining will be applied to 60 points. There are NO MAKEUP QUIZZES for any reason. Tests will emphasize the examples worked in class, and the problems assigned, as well as the focal questions. The final exam will be comprehensive. Topic 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.

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

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 web site.

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.

TEXT: Wackerly, Mendenhall, & Scheaffer: *Mathematical Statistics with Applications*, Seventh Edition, 2008, Thomson Pub.

ABOUT THE DEPARTMENT OF STATISTICS: The Department of Statistics at the University of Florida is one of the nation's largest and leading statistics departments. The Department awards approximately 15 Bachelors degrees, 12 Masters degrees, and 6 Ph.D. degrees per year. The Statistics Department, chaired by Professor Michael Daniels, has a faculty of national and international reputation for their research. The research interests of the 20 faculty members include both theoretical and applied statistics. We welcome inquiries about about our programs. The Statistics Department's main office is in 102 Griffin-Floyd Hall (telephone 392-1941). You are welcome to visit the Department's web site at http://www.stat.ufl.edu.