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Office hours: MWF 12 noon – 1 pm and by appointment

Text: An Introduction to Probability Theory and Mathematical Statistics  

Classes: MWF 10:30am – 11:20am (Mo, January 8 – Fr, April 27, 2001).

Room: MS 203

Course Objectives:

1) This course, as its prerequisite, Stat 6710, will work through Rohatgi fairly linearly. However,  
I reserve the right to skip around or bring in some outside material. Rohatgi will be the  
only textbook for this sequence. We continue where Stat 6710 ended in December 2000,  
i.e., with Chapter 6.3 in Rohatgi.

Course Requirements:

0) Prerequisite: Stat 6710, or knowledge similar to Rohatgi, Chapters 1 through 6.2, is  
highly desirable. Also valuable, but not required, are good backgrounds in linear algebra  
and advanced calculus. If you are concerned about your preparation, please contact me.

1) Class Attendance: You are responsible for all material assigned as required reading and/or  
presented in lecture.

2) Lecture Notes: Lecture notes have been prepared by the instructor. A “working” version  
will be handed out at the beginning of each Section (or Chapter). The “final” version will  
be provided after each Section (or Chapter).

3) Lecture Preparation & In-Class Presentation: Each student has to prepare and teach  
one 50 min lecture during the course of the semester. This includes the preparation of a  
working version of the lecture notes and teaching the lecture. A “final” version of a previous  
Stat 6720 lecture that contains the material to be discussed in class will be provided about  
7 to 10 days before a lecture has to be taught by a student. This part is worth a total of  
20% (200 points) of your course grade.

4) Homework: Assignments will be handed out in class every 10 to 14 days. Homework will  
be collected in class about two weeks thereafter (the exact due date will be stated on each  
homework assignment). Homework mailed in, sent by FAX, or sent by e-mail by the due  
date will be accepted as well. In general, late homework will not be accepted. Homework  
assignments are worth a total of 20% (200 points) of your course grade. To obtain full
credit, you must show your work leading to the correct answer. However, even if your answer is wrong, you will probably receive at least partial credit if you show your work, but not otherwise. If you like, you may work in groups on the homework assignments. In fact, you are encouraged to do so. However, each person must turn in an individual homework solution sheet. Photocopies are not permitted.

5) Software: This course will not focus on any particular mathematical or statistical software package. You can use any statistical package you want for the homework assignments.

6) Midterm: There will be a 3-day take-home midterm exam to be handed out on Friday 2/23/2001 worth a total of 25% (250 points) of your course grade.

7) Final: There will be a 3-day take-home final exam to be handed out on Friday 4/20/2001 worth a total of 35% (350 points) of your course grade. Midterm and final will consist of problems like those in the homework assignments.

8) Disabilities: If a student has a disability that will likely require some accommodation by the instructor, the student must contact the instructor and document the disability through the Disability Resource Center, preferably during the first week of the course. Any requests for special considerations relating to attendance, pedagogy, taking of examinations, etc. must be discussed with and approved by the instructor. In cooperation with the Disability Resource Center, course materials can be provided in alternative formats — large print, audio, diskette or Braille.

Grading System:

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<td>Final</td>
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<td>Midterm</td>
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Course grades will be generally comparable (in terms of distribution) with grades assigned in other graduate statistics courses.

The above schedule and procedures in this course are subject to change in the event of extenuating circumstances.