Introduction to Mathematical Statistics II (for majors in Math or Stat)

Prerequisite: Stat 309, 311 or Math 309, 431
Classes: TuTh 9:30-10:45
Professor: Zhengjun Zhang
Phone: 262-2614

Credits: 4.0
Room: SMI 133
Office: MSC 1221
E-mail: zjz@stat.wisc.edu

Office Hours: Monday 2:30PM-4:30PM

If you are unable to meet during these regularly scheduled office hours, you are welcome to schedule appointments with me at mutually agreeable times. Also, an additional review session or office hour will be scheduled for the day before each exam.

TA: Yi Chai
Phone: 263-5948
Office: MSC 1335
E-mail: chaiyi@stat.wisc.edu

Office Hours: Tuesday: 11:00AM-12:00PM Thursday: 1:00PM-2:00PM

Discussion Time Classroom
311 Mon. 12:05PM B135 VAN VLECK
312 Tue. 1:20PM 53 BASCOM


Hardware: The Texas Instruments TI-83 calculator is the official calculator for the course. I will teach how to implement statistical experiments on a TI-83 calculator in class. You will need to use a TI-83 calculator (or an equivalent one which has statistical distribution functions and a math equation solver) to get the answers for statistical computation problems in all exams and quizzes. A TI-83 calculator can also be used to solve some problems from your homework assignments.

Software: The R-language is the official software for the course. All the course work regarding statistical computation and data analysis must be accomplished by using R. The R software is free for downloading.

Syllabus: I plan to cover the following chapters: 5-10 in the text. Some advanced sections may not be covered.

Attendance: Attendance at each class meeting is mandatory, and I expect you to bring the text and a calculator to each class. I will not assign grades based on your attendance, but I will pass around an attendance sheet for you to sign occasionally. Also, I will not assign seats for you, but I ask that you choose a seat and sit there for the rest of the semester. This will help me get to know you better and sooner, as I will soon make a seating chart for this purpose.

Quiz: There will be 2 in-class quizzes, each counts as one homework. I will inform you during class meeting time if I want to give a quiz in the following class. Each quiz will take about 10 minutes. If you miss any quiz you will get a grade of zero.
Homework: Problems will be assigned at almost every class meeting and will be due before 5:00pm next Tuesday. NO late homeworks will be accepted. You should send emails to TA regarding homework problems and the due time if you miss classes. Homeworks will be graded and missed homeworks will receive a grade of zero. To receive credit on homework you must: show all work neatly, clearly label each problem, circle your final answers, staple your entire assignment together in the correct order with your name printed on each page; homeworks which violate these regulations will be given a grade of zero.

Homeworks will generally be graded on a scale of 20 points. On most assignments not all of the problems will be graded, but I will select some subset of the assigned problems to grade. I will not, however, tell you which problems these will be, so it will be in your best interest to do all the problems assigned.

Policy: I will drop your 2 lowest grades among your homework and quiz grades, and your semester average for the remaining homeworks will count as 20% of your course grade.

You are allowed, and even encouraged, to work with other students on the homework problems. Copying of homework, however, is absolutely forbidden and constitutes a violation of the Honor Code; therefore each student must produce his or her own homework to be handed in and graded. You are also encouraged to ask me and TA for help on homework problems after you have tried to solve the problems on your own. After the homeworks have been graded, I will post solutions on the class webpage under {http://www.stat.wisc.edu/courses/st310-zjz/}. Selected answers are also posted at this site.

Exams: There will be 2 in-class midterm exams, each worth 25% of your course grade; the final exam will be worth 30% of your course grade. Exams are closed book, but you will need to bring a calculator to each exam. All the exams are required, and there will be no make-up exams.

Schedule: Event | Date | Weight
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Homework | As assigned | 20%
Deadline to Drop Course | Wednesday, January 30 | 20%
Midterm 1 | Thursday, February 21, 9:30 AM - 10:45 AM | 25%
Midterm 2 | Thursday, April 3, 9:30 AM - 10:45 AM | 25%
Final Exam | Friday, May 16, 2008 10:05 AM - 12:05 PM | 30%
Total: | | 100%

Disability accommodation:
Any student with a documented disability (e.g., physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the instructor and McBurney Disability Resource Center at the beginning of the semester (i.e. within the first two weeks). The instructor needs to keep a copy of the documented disability.

Remarks:
- The instructor will not respond to requests which he judges as “unreasonable”.
- Discussion starts from the second week of the semester.