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Probability and Statistics for
Engineering and Physical Sciences
Spring 2005, 151 SH

INSTRUCTOR

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Office Hours: W 3:45-5:30 p.m.
F 9:30-10:45 a.m. and by appointment.

DEPARTMENT EXECUTIVE OFFICER

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WWW: For selected course materials such as handouts, homework assignments and solutions:

<http://www.stat.uiowa.edu/~stramer/S39E/>

TUTORIAL LAB:

see <http://www.stat.uiowa.edu/TutorialLab/>

TEXTBOOK: Probability & Statistics for engineers & scientists by Walpole, Myers, Myers and Ye.

The following is an approximate schedule. I will update it as needed during the semester.

Day	Material Covered
Jan 19 25	1.1, 1.2, 1.3 (intr), 1.4, 1.5, 1.6, 1.8, 2.1, 2.2, 2.3
Jan 26	2.4, 2.5
Feb 2	2.6, 2.7, 2.8
Feb 9	3.1, 3.2, 3.3
Feb 16	3.4 (discrete case only), 4.1, 4.2, 5.1, 5.2
Feb 23	parts of 5.3 and 5.6, 6.1, 6.2
March 2	6.3, 6.4, 6.5, 6.6 (exponential)
March 9	8.1, 8.2, 8.3
March 16 Spring Break	
March 23	8.4, 8.5, 8.7
March 30	9.4, 9.5, 9.8, 9.12, 9.13
April 6	10.1, 10.2, 10.3, 10.4
April 13	10.5, 10.6, 10.7, 10.9
April 20	10.10, 11.1, 11.2
April 27	11.3, 11.4, 11.5, 11.6, 11.8, 11.11, 11.12
May 4	REVIEW

Lectures: You are expected to attend lecture. The fundamental concepts and examples are presented in lecture. Lecture material will typically be available a day before the class on the web site.

You should down-load the course notes before each lecture.

The course notes are **NOT** the lecture.

Evaluation of students: Final course grades will be based on the following four components with weights shown in parentheses.

Homework and Participation (15%): Homework will be assigned each Wed on the web site and be collected the following Wed.

Late homework: cannot be accepted.

Homework grading: I will grade a random number of questions each week.

Midterm examinations (40%): There will be two midterm exams during the course. The exam dates are Thursday Feb. 17 from 5:30-7:00 p.m., and Thursday March 31 from 5:30-7:00 p.m. A student who misses an examination without a valid excuse will receive a grade of zero on that examination. Please plan ahead and make sure that you can attend the exams.

Final examination (30%): The final exam will cover all the material taught in the course. The final exam date is Thursday, December 16 at 4:30 p.m.

The examinations will be closed book and closed notes, except that you may use a “crib sheet”-one page (8.5 in × 11 in) of notes written on both sides for each midterm and 3 pages written on both sides for the final.

Quizzes (15%): There will be seven 15 minutes quizzes in class. They will be on Wed 1/26, 2/9, 3/2, 3/10, 3/23, 4/13, 4/27. Quizzes are closed book.

Computer Package: We will be using Minitab Statistical Software for some of our statistical analyses. Minitab is very easy to use and the TAs and I will sometimes use it in class. Minitab is available in all of the campus Instructional Technology Center (ITCs) such as 41 Schaeffer Hall.

Resources for additional help: A list of private tutors is maintained in 241 SH.

Students with disabilities: I must hear from anyone who has a disability which may require some modification of the seating, testing, or other class requirements so that appropriate arrangements can be made. Please see me as soon as possible about this.

Student complaints concerning faculty actions: University policies regarding academic misconduct can be found at

http://www.clas.uiowa.edu/students/academic_handbook/