

STOR 635, Probability, Spring 2007

TTH 12.30-1.45

Room 208, Bingham

Instructor: Amarjit Budhiraja

Grader: Fangfang Wang

Office: 305 Smith Building

Grader's office: Howell 109

Office Hours:

- Monday 2:00 - 3:30 PM.
- Thursday 3:00 - 4:30 PM.

Grader's Office Hours: TBA This office hour should be used only to address specific questions concerning the *grading* of the HW. All other questions should be addressed in the instructor's office hours.

Text: R. Durrett, *Probability: Theory and Examples, Third Edition*, Duxbury.

Syllabus:

Chapter 1: Sections 1-8

Chapter 4: Sections 1-7

Chapter 2: Sections 1-4

Chapter 6: Selected Topics.

Prerequisites: STOR 634 or permission of the instructor.

Some other Books for Reference: K.L. Chung, *A Course in Probability Theory*, P. Billingsley, *Probability and Measure*, R. Ash, *Real Analysis and Probability*. Books by Chung and Durrett have been put on Reserve in M/P library.

Exams: There will be one midterm and a final. The dates are as follows:

Midterm: Tuesday, March 6

Final: Thursday, May 3, 4 PM - 7 PM.

Homework: HW will be assigned in every class and will be posted on the course web site:

<http://www.stat.unc.edu/faculty/amarjit/155s07.html>. It will be due the following Tuesday. For example, homework assigned on Jan 16 (Tuesday) and Jan 18 (Thursday) will be due on Jan 23 (Tuesday). All questions concerning the grading of the HW should be addressed to the grader. Not all homework problems will be graded. Once the HW has been graded and returned, HW solutions will be posted on the course website. Studying together for homework problems is permitted.

Grades: The score distribution will be as follows.

- Homework: 25 points
- Midterm: 35 points.
- Final: 40 points.

Note: The honor code will be observed in the class.