

Syllabus

MA 585-01 (Spring, 2008)

Probability

Monday, Wednesday 3:55pm – 5:15pm, SC 219

Instructor

- Dongsheng Wu
- 201J Shelby Center
- 824-6676
- Email: dongsheng.wu@uah.edu
- URL: <http://webpages.uah.edu/~dw0001/ma585S08.htm>
- Office Hours: MW 10:00am—12:00pm, 2:20pm—3:20pm or by appointment

Course Description

Course topics include probability spaces, random variables, conditional probability, independence, models of convergence, and an introduction to σ -algebra and measurability; distributions; expected value; special models and distributions; the law of large number and the central limit theorem.

Prerequisites and Restrictions

- MA 201, one of MA 385, ISE 390 and MA/ST 487

Textbooks

- Introduction to Probability Models (9th Edition), by Sheldon M. Ross
Academic Press. ISBN: 0-12-598062-0
- Virtual Laboratories in Probability and Statistics, by Kyle Siegrist.
Link: <http://www.math.uah.edu/stat/>

Tentative Coverage

We will cover Chapters 1—3 and parts of others from Ross's book with supplemental materials (a lot!) from the virtual laboratories.

Grade Determination

- Homework assignments: 40%
- Mid-Term Exams: 30%
- Final Exam: 30%

Test Dates

- Weekly Homework Assignment: Due on every Monday
- Two Mid-Term Exams: Exam 1 (Monday, 02/25/08); Exam 2 (Monday, 04/14/08)
- Final Exam: 3:00pm-5:30pm Friday, 04/25/2008

Grading Scale (%)

- A. 90-100
- B. 80-89
- C. 70-79
- D. 60-69

- E. 0-59

Policies

- No make-up exams will be given except for documented cases of illness or emergency.
- No late homework will be accepted except for documented cases of illness or emergency.
- Consult the [Student Handbook](#) for information about the grievance procedure, accommodations for students with disabilities, or academic misconduct.