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 $\sigma$-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
F. 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.