Syllabus

MA 452-01/MA 502-01 (Spring, 2008)
Introduction to Real Analysis
Monday, Wednesday 12:45pm – 2:05pm, SC 158

Instructor

- Dongsheng Wu
- 201J Shelby Center
- 824-6676
- Email: dongsheng.wu@uah.edu
- URL: http://webpages.uah.edu/~dw0001/ma452S08.htm
- Office Hours: MW 10:00am—12:00pm, 2:20pm—3:20pm or by appointment

Course Description

This is an introductory course in real analysis. Topics include:

Sequences, limits, continuity, differentiation of functions of one real variable, Riemann integration, uniform convergence, sequences and series of functions, power series, and Taylor series.

Prerequisites and Restrictions

- MA 330, Foundations of Mathematics

Textbook


Tentative Coverage

Chapter 3: Sections 12, 13, 14

Chapter 4: Sections 16, 17, 18, 19

Chapter 5: Sections 20, 21, 22, 23

Chapter 6: Sections 25, 26

Chapter 7: Sections 29, 30, 31
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 (Mon. 02/25/08); Exam 2 (Mon. 04/14/08)
- Final Exam: 11:30am-2:00pm 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.