Real Analysis I (Math 370)

Instructor: Alex Schuster

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Office Hours: MF15:10-16:00

Class Meeting: MWF14:10-15:00

Prerequisite: Math 301 or equivalent.


Syllabus: My tentative plan is to cover Chapters 1-5.

Attendance: Attendance will not be taken, but you are responsible for all announcements made in class and for all material covered in class. Please avoid late arrivals and early departures.

Grading: The grade will be based on a midterm (30%), a final (40%) and homework (30%).

In-class: Wednesday, Oct. 18.
Final: Monday, Dec. 18, 13:30-16:00.

Homework: Weekly assignments will be given in class and will be collected at the beginning of the class a week later.

Attendance: Attendance will not be taken, but you are responsible for all announcements made in class and for all material covered in class. Please avoid late arrivals and early departures.

Course Description: The study of real analysis has great value for any student who wishes to go beyond the routine manipulations of formulas to solve standard problems, since the ability to think deductively and analyze complicated examples is essential to modifying and extending concepts to new contexts. In this course we will prove many of the results from Calculus. We will examine in detail the concepts of limits, continuity, differentiation and integration.

Here is a short version of the University calendar for Fall, 2005. Note that the Mathematics Department strictly enforces the deadlines for CR/NCR grading and withdrawals.

September 8 Last day to add classes
September 25 Last day to drop classes online without a W
October 23 Last day to select CR/NCR grading
November 17 Last day to withdraw from a course
November 20-25 Thanksgiving Holiday
December 15 Last day of instruction
December 18-22 Final exams
January 3 Grades due from instructors

CR/NCR Grading
Most Mathematics classes allow CR/NCR grading, but many majors—including Mathematics—do not count CR/NCR grades towards the major. Mathematics majors should not take their Mathematics classes CR/NCR. All other majors should check with their academic advisors before deciding to take a Mathematics class CR/NCR.

If—after checking with your advisor—you want to apply for CR/NCR grading, you must log onto the web site www.sfsu.edu/student and sign up for CR/NCR grading before the October 23 deadline. Your instructor will not pass out a CR/NCR sheet in class.

Incompletes
The Incomplete grade (I) is assigned only to students doing satisfactory work until the last few weeks of a course, when events beyond the students’ control prevented them from completing the course. If this happens to you, discuss with your instructor the possibility of taking an Incomplete rather than withdrawing from a class that you cannot finish.

Incompletes must be made up within twelve months of the date they are assigned. Your instructor will tell you how to make up your incomplete. Do not enroll in the same course again. You can only take a course once.

Late and Retroactive Withdrawals
Petitions for withdrawal from a class after the November 17 deadline, either before the end of the semester (late withdrawal) or after the semester ends (retroactive withdrawal) must be justified by events that occurred after the withdrawal deadline. In general, only petitions for withdrawal from all courses will be approved. Late withdrawal from your math course alone is usually not approved.

Students with Disabilities
Students with disabilities needing reasonable accommodations must bring an official written request to their instructor from the Disability Programs and Resource Center (Student Services Building, Room 110, (415) 338-1041, drc@sfsu.edu). The DPRC is available to facilitate the reasonable accommodations process.

Religious Holidays
Reasonable accommodations will be made for you to observe religious holidays when such observances require you to be absent from class activities. It is your responsibility to inform the instructor during the first two weeks of class, in writing, about such holidays.