Real Analysis II (Math 470/770)

Instructor: Alex Schuster

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Office Hours: TuTh 17:00-18:00

Class Meeting: TuTh 15:35-16:50, TH211

Prerequisite: A grade of C or better in Math 370 or equivalent.


Syllabus: My tentative plan is to cover Chapters 6,7 and 10.

Class Website: http://www.math.sfsu.edu/schuster/4702010.html

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 two exams (30% each), homework (30%) and participation (10%).

  Midterm: Thursday, Mar. 18.
  Final: Thursday, May 20, 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.

Policy Concerning Electronic Devices: Use of electronic devices such as laptops and cell phones (including text messaging) is not permitted. A first infraction will result in a warning, a second will result in a 10 point reduction in your grade, a third will result in a grade of F for the class.

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. This study, which began with Real Analysis I, continues with Math 470. We will conclude our work from the fall on the analysis of functions on the
real line with a study of infinite series, including uniform and absolute convergence. We go on to the more abstract topics of topological spaces, including metric spaces.

**Students with Disabilities:** Students with disabilities who need reasonable accommodations are encouraged to contact the instructor early in the semester. The Disability Program and Resource Center is available to facilitate the reasonable accommodations process. The DPRC, located in SSB 110, can be reached by telephone at 338-2472 (voice/TTY) or by email at dprc@sfsu.edu.

**Religious Holidays:** The faculty of San Francisco State University shall make reasonable accommodations for students to observe religious holidays when such observances require students to be absent from class activities.