Math 351: Real Analysis, Autumn 2009

Instructor: Brian Sittinger
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Office Hours: Monday 12 - 1 PM, Tuesday 3:00 PM - 4:00 PM and by appointment
Class Times: TuTh 1:30 PM-2:45 PM
Class Location: Bell Tower 1568

Prerequisites: Math 240 and Math 250, or equivalent coursework.


Course Website: http://faculty.csuci.edu/brian.sittinger/math351page.html
This may be also directly accessed through Blackboard (CI Learn).

Course Description from the Course Catalog: Topics include: real number system, metric spaces, norms, function spaces, continuity, differentiability, integrability of functions, sequences and series.

Learning Outcomes: Through this course, students will be able to

- Discuss the theoretical basis of the system of real numbers.
- Work in general metric and function spaces.
- Analyze functions in terms of continuity, differentiability and integrability.
- Demonstrate application of sequences and series on an advanced level.
- Express concepts and techniques of Real Analysis in oral and written form.

Grading: Grades will be determined as follows:

- Homework (20%)
- Two Exams (20% each)
- Final Exam (40%)
**Homework:** I will assign homework daily to be turned in on every Tuesday (unless otherwise stated) at *the beginning of lecture*. Make sure that your presentations are well-organised. If you use more than one sheet of paper, please write your name at the top of each sheet, and be sure to staple them all together. This will make my job to grade them much easier.

**Exams:** The two exams will be given around the *sixth* and *twelfth* weeks of lecture. The final exam will take place on Tuesday 8 December at 1 PM. Unless you have a genuine doctor’s note, you have to take the exams when they are given.

**Academic Honesty:** Cheating and plagiarism will not be tolerated in this class. For information on the University’s policy, please read the University Catalog (“Policies and Regulations” section).

**Disability Statement:** Cal State Channel Islands is committed to equal educational opportunities for qualified students with disabilities in compliance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990. The mission of Disability Accommodation Services is to assist students with disabilities to realize their academic and personal potential. Students with physical, learning, or other disabilities are encouraged to contact the Disability Accommodation Services office at (805) 437-8510 for personal assistance and accommodations.

**Disclaimer Statement:** Information contained within this syllabus, other than that mandated by the University, may be subject to change with advance notice, as deemed appropriate by the instructor.