Mathematics 130A: Functions of a Real Variable  
Spring 2010, Section 1

Instructor: Professor Michelle Norris  
Office: Brighton 146  
Office Phone Number: 278-7116  
E-mail: norris@csus.edu 
Class Meetings: MWF 9-9:50 am in Brighton 101  
Office hours: Mon 8-8:50 am, Wed 2:30-3:30pm, Fri 12-12:50pm and by appointment

Website: I will post the syllabus, homework assignments, handouts and other useful information on SacCT. I will also send messages via SacCT so please check at least daily.

Prerequisites: C- or better in Math 32, Math 45 and Math 108.


Coverage: This course consists of a rigorous development of the theory of real-valued sequences and continuity and differentiation for functions of one real variable. We will cover most of sections 11-27 of the text. A detailed outline of the course topics can be accessed at http://www.csus.edu/math/Syllabi/index.htm

Grading: 
Weekly homework 100 points  
Midterms (3) 300 points Midterm 1 will occur before end of 6th week  
Comprehensive Final Exam 200 points Fri, May 21 8-10 am

No makeup exams. If you have a substantiated medical emergency, bring documentation and we will work out a suitable alternate grading scheme.

Absence: Attendance at all class meetings is expected. You are responsible for all material covered in class, whether or not it is in the textbook. If you are unable to attend class, obtain the notes from a classmate and read the relevant section of text. If you are absent for a legitimate reason, you may ask me questions related to the missed lecture during my office hour only after you have made a serious effort at getting yourself caught up. My time is better spent preparing thoughtful lectures for the entire class rather than repeating old lectures in my office for students who miss class for frivolous reasons. Please let me know if you anticipate an extended absence from class. Fill in the contact info for three classmates below.

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Office Hours: I do like to help students during my office hour, so if you have questions (with the caveat given under Absence) please come!

Homework: Will be assigned weekly. Homework will be graded based on the correctness of several randomly selected problems. Late homework will not be accepted for any reason, but I will drop your lowest homework score at the end of the semester. Homework may include assigned reading from the text or other sources. Homework will be due during the last week of instruction.
Participation: In order for you to learn the material, it is important that you participate in class activities. If you feel uncomfortable with my calling on you in class, let me know.

Cheating: Academic integrity is of utmost importance to me. Do not cheat. Cheating incidents will be reported to the Dean of Student Affairs and appropriate punitive action will be taken. Punitive action may include: a permanent record of the incident in your academic file, a failing grade in the course, suspension or expulsion from the university. It’s better to fail with your integrity intact than to pass without it.

Furloughs: My furlough days for Spring 2010 are shown below. This class will only be cancelled on Mon, Feb 15 (campus furlough) and Fri, Feb 26. Due to furloughs, we will likely not get through all the topics normally taught in this course. I will do my best to strategically omit and abbreviate topics I feel are of lesser importance.

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<th>Feb 15 (Mon)</th>
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<td>Feb 26 (Fri)</td>
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E-mail: Please submit questions specific to Math 130A via SacCT. I will check my e-mail at the beginning and end of each workday. Typically, I will not check e-mail outside of normal business hours (8-5, Mon-Friday), on holidays or furlough days so please plan ahead. Some mathematics questions may be difficult for me to answer by e-mail. If that is the case, I will request that you ask the question in class or during my office hours.

Enough nagging, let’s have fun learning real analysis!