Math 250: Calculus III, Spring 2014

Instructor: Brian Sittinger  
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Office: Bell Tower 2840  
Office Hours: MW 10:30 - 11:30 AM, and by appointment.  
Class Times: MW 12:00-1:15 PM  
Class Location: Bell Tower 2424

Prerequisites: Math 151 with a grade of C or better, or equivalent.

Text: *Calculus* (not the “Scientists and Engineers” version) by Briggs and Cochran.

Course Website: [http://faculty.csuci.edu/brian.sittinger/math250page.html](http://faculty.csuci.edu/brian.sittinger/math250page.html)  
This may be also directly accessed through Blackboard (CI Learn).

Course Description from the Course Catalog: Topics include: functions of several variables, solid analytic geometry, partial differentiation, multiple integrals with applications; vector analysis, and line and surface integrals.

Grading: Grades will be determined as follows:

- Homework (20%)
- Two Exams (20% each)
- Final Exam (40%)

Homework: Homework will be turned in on every Monday (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. No late homework will be accepted more than 2 weeks after the official due date, no exceptions!

Exams: The two exams will be given around the 6th and 12th weeks of lecture. According to the course schedule, the final exam will take place on Monday 12 May from 10:30 to 12:30 PM. Unless you have a genuine doctor’s note, you have to take the exams when they are given.
Technological Information and Math 399: We will use MAPLE software and/or graphing calculators during lecture and lab. As you will be using this in some of your homework, please sign up for Math 399 Section 2 or 7. Further instructions will be given in the lab.

Extra Help: In addition to myself and your fellow classmates, please check out the Learning Resource Center (in the Broome Library).

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

- Work with functions of several variables.
- Compute volumes of general solids.
- Analyze general curves and surfaces using vectors.
- Compute integrals over general curves and surfaces.
- Compute partial derivatives and identify their main properties.
- Compute maxima and minima of several variable functions using partial derivatives.
- Compute multiple integrals and identify the relations between integrals of different dimensions (Greens, Stokes’, and Divergence Theorem).
- Express ideas of Calculus in oral and written form.

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

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.