Math 241-09 Syllabus: Calculus IV Spring 2012

Class: MTWR, 1:10pm-2:00pm, 38-218
Professor: Charles D. Camp, office: 25-309, phone: (75)6-1661, email: camp ‘at’ calpoly.edu, http://www.calpoly.edu/~camp/
Office Hours: TBA (see email regarding online poll)

Prerequisite: Credit for Math 143 at Cal Poly, or its equivalent.
Learning Objectives: (1) Do partial differentiation and study applications such as tangent planes, maximum/minimum problems with and without constraints; (2) Do multiple integration and applications such as volumes, surfaces areas and moments; (3) Be able to work with vector fields and vector integral theorems.

Guidelines for Success: It is highly unlikely that simply listening to lecture in class will allow you to meet the learning objectives or earn a good grade. Math is not a spectator sport; you have to explore and practice the material on your own. Actively participate in class by asking questions and seek help early if you are having trouble with the homework: from other students, or from me in office hours or class. The assigned homework should be considered as a minimum number of problems to be worked; the problems are chosen to provide a reasonable sampling of the material. You are encouraged to work with other students while doing your homework in order to foster a better understanding of the material. You should expect to spend an average of 2-3 hours studying for each lecture hour of class; hence the 25-35 hours per week program of the College of Science and Mathematics.

Reading Questions (10%): A short list of questions for each section of the text which will be due at the beginning of the discussion of that section. The lowest two scores will be dropped.
Homework and Quizzes (13%): Homework will not be collected; instead, a short (1-2 question) quiz or in-class worksheet will be given most weeks (except for weeks with an exam). The lowest quiz score will be dropped. Make-up quizzes will not be given; exceptions to this can be made if arrangements are made prior to the beginning of lecture.
Midterms (44% pts): There will be two in-class exams (22% each). Make-up exams will not be given. Your lowest midterm score will be replaced by your final score (as a percentage) if the final score is higher. The midterms are tentatively scheduled for the following days (subject to change with prior notice): Thursday, April 19th; Tuesday May 15th.
Final Exam (33%): Friday, June 8th, 1:10pm-4:00pm, same room as the lectures. The final exam is comprehensive. You must take the Final Exam at the scheduled time.

Evaluation: Scoring above 90% / 80% / 70% / 60% is guaranteed to earn an A / B / C / D grade, respectively. These percentage thresholds may be lowered slightly, but will not be raised.

Academic Honesty: The Cal Poly catalog summarizes the University’s policy regarding cheating and plagiarism: “As a student, you are responsible for your own work and you are responsible for your actions.” Students who violate academic integrity will meet the stiffest possible penalties. The complete university policy on academic dishonesty can be found here: C.A.M. 684 http://www.calpoly.edu/~acadsen/documents/Cheating&Plagiarism.html