

Math 241 – Calculus IV
Winter 2010
Course Syllabus

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Course Web Page: www.calpoly.edu/~akaul/teaching/Math241

Textbook

The required textbook is Stewart, *Calculus, 5th ed.*

Office Hours

I encourage you to make use of my office hours. The times that I am guaranteed to be in my office are listed above. If these times are not convenient you may schedule an alternate meeting time.

Course Description

In Math 241 we will find that the concepts of differential and integral calculus generalize to dimensions 2 and 3. Topics include the geometry of \mathbb{R}^2 and \mathbb{R}^3 , partial derivatives, optimization, integration in 2 and 3 dimensions, line integrals, Green's Theorem and, time permitting, Stoke's Theorem and the Divergence Theorem.

Exams/Quizzes

- Midterm exams will be given on the following dates.

MT1: Thursday, January 28

MT2: Friday, February 26

- The final exam is cumulative. We will adhere to the Cal Poly final exam schedule.¹ The final exam will take place on Monday, March 15, 7:10 am - 10:00 am (Section 03) or Wednesday, March 17, 10:10 am - 1:00 pm (Section 04).
- The midterm and final exams are each worth 100 points. An exam score E will be assigned according to the formula

$$E = MT1 + MT2 + F + F - D,$$

where D is the lowest of your midterm scores ($MT1$ and $MT2$) or final score F (i. e., the final exam score is initially counted twice and the lowest of the 3 exam scores is dropped).

- Quizzes will be given regularly (see accompanying schedule); each quiz is worth 20 points. Your total quiz score Q is computed as

$$Q = \frac{X - L}{4/3}$$

where X is the sum of your six quiz scores and L is the lowest of your quiz scores (i. e., the lowest quiz score is dropped).

¹This policy is not negotiable.

- **No make-up exams or quizzes will be given.** If you miss a midterm exam or quiz for any reason, it will automatically become the “dropped” score.

Homework

Homework will be assigned at the beginning of each class period (excluding quiz, review and exam days) and is due the following class meeting. Late homework will not be accepted. The homework assignments will also be posted on the web. A **tentative** schedule of each day’s lecture is attached. You will receive credit (1 point) if you make a verifiable attempt to solve each problem. Exception: unstapled, multiple-page assignments will receive no credit. A homework score H will be assigned according to the formula

$$H = \frac{2n - 24}{8}$$

where n is the number of homework assignments you receive credit for during the quarter.

Grading

Your numerical score for the course is computed as

$$S = \frac{E + Q}{3.75} + H$$

and a letter will be assigned under the usual 90-80-70-60 \pm scheme. I reserve the right to lower this standard at a later date (i.e., there may be a curve, but the curve will not hurt your grade).

Students with Disabilities

The University provides disability-related support services to qualified students through the Disabilities Resource Center (DRC). For more information, contact the DRC at 6-1395 or visit their website at www.drc.calpoly.edu/index.html. If you require testing accommodations, it is your responsibility to provide the required documentation and initiate needed arrangements **at least one week in advance** of an exam date.