Math 241 – Calculus IV
Winter 2017
Course Syllabus

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

Textbook
The required textbook is Thomas’ Calculus, 12th 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 Stoke’s Theorem and the Divergence Theorem (time permitting). A detailed course outline containing the learning objectives for this class may be found at http://content-calpoly-edu.s3.amazonaws.com/math/1/documents/241.pdf

Exams/Quizzes
• Midterm exams will be given on the following dates.
  MT1: Friday, February 3
  MT2: Friday, March 3

• The final exam is cumulative. We will adhere to the Cal Poly final exam schedule. The final exam will take place on Monday, March 20, 7:10-10 am (Section 03) or Friday, March 24, 7:10-10 am (Section 01).

• 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
  \[ Q = \frac{X - L}{2} \]
  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).

\footnote{This 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

$$S = \frac{E + Q}{3.5} + H$$

and a letter will be assigned under the usual 90-80-70-60 ± 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](http://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.