

# Math 53: Multivariable Calculus

Fall 2016

MW 5:10–6:30 pm, 155 Dwinelle

**Instructor:** Edward Frenkel

office: 819 Evans Hall

e-mail: frenkel@math.berkeley.edu

office hours: M 3–5 pm

**Prerequisites:** Math 1A, 1B

**Textbook:** J. Stewart, *Calculus: Early Transcendentals*, UCB Custom Version for Math 53, or Eighth Edition, Cengage Learning.

In this course we will study functions in several variables and operations on them, such as integration and partial differentiation, as well as their myriad applications.

In addition to lectures, students will meet for 3 hours each week in sections taught by the TAs to discuss and elaborate on the material presented in the lectures.

**Homework:** Homework assignments will be posted on the class webpage every Thursday morning.

**Quizzes:** There will be a quiz in sections every Wednesday based on the material (and HW) of the preceding week. Two worst quiz scores of every student will be dropped. **No make-up quizzes.**

**Exams:** There will be one in-class **midterm exam on Wednesday, October 5, 5:10–6:30 pm.**

**The final exam will be on Friday, December 16, 3–6 pm** (exam group 19).

**There will be NO MAKE-UP EXAMS. It is your responsibility to make sure that you have no exam scheduling conflicts!**

Some of the problems for the exams may be taken from the homework, so it is in your interest to do homework on a regular basis.

**Grades** will be computed as follows: 20% quizzes, 30% midterm exam and 50% final exam.

If you miss the midterm exam due to a *documented* illness or emergency, the formula for the grade will be adjusted as follows: 30% quizzes, 70% final exam.

**If you miss the final exam, you will automatically fail the course.**

According to the official University policy, an “incomplete” grade can be given only for valid medical excuses with a doctor’s certificate and only if the student has a passing grade (a C or better). Therefore, if you are behind in the course, an “incomplete” is not an option.