Math 32A: Calculus of several variables

Syllabus

Winter 2015

General

- Lecture: MWF 12:00-12:50 PM, HUMANTS A51
- Textbook: J. Rogawski, Multivariable Calculus, (2nd Edition), ISBN-10: 1-4292-3193-9, ISBN-13: 978-1-4292-3193-0
- Webpage: `http://hydra.math.ucla.edu/~craig/32a.3.15w/`
- Discussion:
  - 3A, T 12:00-12:50 PM, MS 5137
  - 3B, R 12:00-12:50 PM, MS 5147
  - 3C, T 12:00-12:50 PM, KAUFMAN 101
  - 3D, R 12:00-12:50 PM, BUNCHE 3153
  - 3E, T 12:00-12:50 PM, BUNCHE 3157
  - 3F, R 12:00-12:50 PM, BUNCHE 3157

Instructor

- Craig Schroeder
- Office: MS 6310
- Hours: MWF 1:00-2:30 PM (after class), or by appointment
- Email: `craig@math.ucla.edu`

Homework & Quizzes

Homework is assigned for each lecture and is posted on the website. The problems are intended to help you to learn the material, so it is important that you understand how to do all of them. You may work on the homework problems in groups or individually. It is recommended that you review each section in the book and try doing some of the homework problems for the section *before* it is covered in lecture.

Homework will not be collected. Rather, there will be a quiz at the beginning of every discussion section (except weeks 1, 4, and 8). Quiz coverage is listed on the website. Each quiz will be 15 minutes and contain two homework problems (either verbatim or with limited modification). There will be no make-up quizzes, but the lowest quiz score will be dropped when computing the final grade. Quizzes are handed back at the end of discussion one week after they were taken.

The quizzes are intended to be similar in difficulty; if you know that you will be absent for a quiz, you can make arrangements with your TA to take the quiz before it or after it in your TA's other section.

Our course text has a large number of problems at the end of each section with answers to most of the odd problems in the back of the book. The homework problems that are assigned will be mostly odd problems, so that you will be able to check your answers. If you get stuck on an odd-numbered problem, it may help to look at the answer and then try to work backwards to figure out how to solve the problem. If that does not work, ask on Piazza.

Exams

There will be two midterms, which will be held during class on Monday, Jan 26, and Monday, Feb 23. The final will be Tuesday, March 17, 3:00 PM-6:00 PM. Please bring your ID card to all exams. No books, notes, smartphones, or calculators will be allowed on any of the exams; however, you may bring a $8 \times 11''$ sheet of paper with any information you like to the midterms and the final. There will be no make-up exams; if you will be unable to attend a midterm, it is your responsibility to make other arrangements with the instructor in advance.

Student Math Center

The Student Math Center (SMC), located in MS 3974, is available for your use and is open Monday through Thursday, 9:00 AM to 3:00 PM. The SMC offers free, individual and group tutoring for all lower division math courses. This service is available on a walk-in basis; no appointment is necessary. Students may ask any of the TAs in attendance for assistance with math problems.

Piazza

This course has a page on Piazza, where you can ask questions and receive help from other students in the course as well as the instructors. Use of Piazza is recommended but optional. The Piazza signup page for this course is here: `https://piazza.com/ucla/winter2015/math32alecture3`.

Please note that the purpose of this forum is *not* to request solutions to homework problems. If you have questions about a homework problem, please state the problem (I often do not have a book handy), work through the problem as far as you can, and then ask a specific question. We will not work out whole homework problems for you on Piazza.

Notes

If you have any questions (homework, administrative, etc.), please feel free to come to the instructors office hours or your TAs office hours. Mathematical questions are very difficult to answer by email, but feel free to use email for other questions or to schedule an appointment. For mathematical questions, please ask on Piazza instead.

Grading

Each midterm will be worth 20% of your final grade. Quizzes will be worth 20% of your final grade, with the lowest score being dropped. The final will be worth 40% of your final grade. In the interests of addressing grading questions in a timely manner, all grading questions must be brought to the attention of the instructor within 21 days of the quiz/exam. After 21 days, the grade is final.

Academic conduct

Your work and conduct in this course are governed by the UCLA student conduct code. This code is designed to promote high standards of academic honesty and integrity as well as fairness. In particular, all work that you submit in this course must be your original work. Any cases of suspected academic misconduct will be addressed as defined by the conduct code.