MATH 32A: Calculus of Several Variables, Fall 2018

Instructor  David Arnold

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Office  MS 7360

Office hours  M 9–10am in MS 7360, W 12–2pm in the CLC, 8251 Boelter Hall

Lectures  MWF 8–8:50am Moore 100

Prerequisite  MATH 31A

Textbook  “Multivariable Calculus” by J. Rogawski. Students are not required to have their own copy.

Communication  Important information about this class will be posted to the CCLE page as announcements. Students should make use of lectures, discussion sections, office hours and the CCLE course page discussion forum to ask questions about the class. Email should only be used for administrative matters.

Course material  Introduction to calculus of several variables. Topics include vector geometry, vector-valued functions, functions of several variables, curves and surfaces in higher dimensions, limits, continuity and differentiation, and optimisation.

BruinCast  Lectures will be BruinCasted for review purposes. Lecture recordings will be available through CCLE, generally within 24 hours after the lecture. BruinCasts are not intended to be a replacement for lectures, they are only intended as an aid to revision. Students are expected to attend lectures, if a BruinCast is missing or incomplete, the material covered in that lecture will still be examinable.

If you encounter any problems with the BruinCasts, contact bruincasthelp@ucla.edu.

Student Math Center  The Student Math Center (SMC) is available to help students with lower-division math classes, including 32A. The SMC is located in MS 3974, and is open Monday to Thursday, 10am to 3pm, from Wednesday October 3 onward. Appointments are not necessary.

Homework  Homework will be due weekly. Each homework will consist of a written submission and a separately-scored online quiz.

The lowest two written homework scores will not be counted, and the lowest two quiz scores will not be counted. No late homework or quiz submissions will be accepted for any reason (even for reasons outside your control). If you wish to dispute a homework mark, you must do so within 7 days of the homework being returned.
Exam information There will be two mid-term exams and a final exam. The mid-terms are designed to give students a gauge on their performance. Exams will not be re-scheduled if a student cannot attend.

The first mid-term exam will be in class on **Monday October 29** (week 5).
The second mid-term exam will be in class on **Monday November 19** (week 8).
The final exam will be on **Monday December 10** (check myUCLA for official date/time/location).

Midterm exams will be returned in discussion sections. Regrade requests are not permitted after the discussion section in which the exam is returned.

Grading schemes The final score is based on the written homework, the online quizzes, the two midterms, and the final exam.

The overall written homework score will exclude the two lowest scores. The overall online quiz score will also exclude the two lowest scores.

The final score will be calculated using whichever of the following schemes gives a higher result:

(A) 5% homework + 5% quizzes + 20% best midterm + 70% final exam
(B) 5% homework + 5% quizzes + 15% midterm 1 + 15% midterm 2 + 60% final exam

This means that a poor midterm will not prevent you from achieving a very good final grade, as long as you work to improve your performance in the final exam.

If the scores from the two midterms are significantly different, then they will be curved for fairness. The class will be curved based on overall scores to ensure grades are comparable to past Math 32A classes.

Academic integrity Students are encouraged to work together, but all work you submit must be your own. The easiest way to ensure this is to write up your homework solutions yourself. Any violations of UCLA’s academic integrity code will be reported to the Dean of Students.

Students with disabilities Students with disabilities who will need special arrangements during the class and/or for the final exam should contact both me and the Center for Accessible Education (www.cae.ucla.edu) as soon as possible to ensure your accommodations can be provided.

Title IX discrimination information Title IX prohibits gender discrimination, including sexual harassment, domestic and dating violence, sexual assault, and stalking. Students who have experienced sexual harassment or sexual violence can receive confidential support and advocacy at the CARE Advocacy Office for Sexual and Gender-Based Violence, 1st Floor Wooden Center West, CAREadvocate@caps.ucla.edu, (310) 206-2465. You can also report sexual violence or sexual harassment directly to the University’s Title IX Team, titleix@conet.ucla.edu, (310) 206-3417.