Math 20C, lecture E: Fall 2021

Lecture: This is a in-person class, whose scheduled lecture times are MWF 5:00p-5:50p (all times in this syllabus refer to PST - Pacific Standard Time) in Center Hall[CENTR] 115. The UCSD policy on public safety can be found in the following link: `https://returntolearn.ucsd.edu/return-to-campus/campus-plan/index.html`. Lectures will be made available on podcast(from 10/4).

Professor: Muzhi Jin
Email: mujin@ucsd.edu
Office hours: Tuesday noon-1:30pm Thursday noon-1:30pm, via zoom, link: `https://ucsd.zoom.us/j/96604407852`.

Course description: Vector geometry, vector functions and their derivatives. Partial differentiation. Maxima and minima. Double integration. (Two units of credit given if taken after MATH 10C. Credit not offered for both MATH 20C and 31BH. Formerly numbered MATH 21C.)

Prerequisites: AP Calculus BC score of 4 or 5, or MATH 20B with a grade of C– or better.

Textbook: Calculus Early Transcendentals: Multivariable with Achieve, Rogawski, 4th edition.

Reading: Reading the sections of the textbook corresponding to the assigned homework is considered part of the homework assignment. It will be expected that you read the assigned material in advance of each lecture.

Announcements: The announcements page on Canvas will be my regular means of communication with the class. It is your responsibility to check this regularly and you may want to adjust your Canvas notification settings (under your Account) in order to receive notifications that you may be missing. Some students choose to have announcements emailed to them and that is fine, but you should refer to the version up on Canvas for the most up-to-date information.

Exams: We will have a midterm scheduled for **Tuesday, November 2nd** from **8:00pm-9:50pm** and a final exam scheduled for **Saturday, December 4th** from **8:00am-10:59am**. Your midterm and final exams will be offered within the scheduled periods. The exact duration of the exams is yet to be decided. *There are no make-up or retake exams. You should not enrol in the class if you cannot attend the midterm or final exam at its scheduled time.*

Quizzes: There will be **three** quizzes, scheduled for the following Fridays: **October 15th**, **October 29th**, and **November 19th**, during the scheduled lecture time. The quiz will become available in gradescope at **5:00pm** and must be submitted through gradescope by **5:50pm**. The quiz should take 35 minutes, with 15 additional minutes for submission. If, for any reason, you cannot complete a quiz, keep in mind that the lowest quiz score will be dropped.

If you are in a different time zone that makes it unfeasible for you to take one of the quizzes at its scheduled time, please contact your TA with a written explanation by **Friday, October 1**. *Accommodations will not be available if asked after this date.*

Homework: Homework is a very important part of the course, and in order to fully master the topics, it is essential that you work carefully on every assignment and try your best to complete every problem. We will have two different kinds of homework assignments in this class: online homework (which will be graded) and textbook homework (which will not be graded).

- Online homework will be done through Achieve. There will be a homework assignment for each of the 20 textbook sections covered. The homework assignments will be due certain Wednesdays at 11:59pm. If, for any reason, you cannot turn in a homework assignment,

keep in mind that the lowest 3 out of 20 homework assignment scores will be dropped. **Note**: For each homework assignment, late submissions are automatically enabled for 3 days after the original due date, for a flat penalty of 20%.

- The textbook homework assignments will be posted in canvas. These assignments will not be turned in and will be not graded; however, understanding the solutions to these problems should help you perform better on the quizzes and final exam.

Grading: Your final score will be computed using the following scheme: 15% homework + 30% quizzes (15% each quiz, best 2 out of 3) + 20% midterm + 35% final exam.

In addition, you must earn a passing grade on the final exam in order to pass the course.

Letter grades: Letter grades will be assigned according to the following grading scale, which is the standard scale for UC San Diego:

A+	A	A-	B+	B	B-	C+	C	C-	D	F
[99,100]	[93,99)	[90,93)	[87,90)	[83,87)	[80,83)	[77,80)	[73,77)	[70,73)	[60,70)	[0,60)

The letter grades are assigned by Canvas automatically based on the numerical score. Letter grades are not negotiable. Please notice that outside factors, including the need for a certain grade for admission/retention in any academic program, scholarship or transfer credit, graduation requirements or personal desire for a specific grade DO NOT appear in the above calculations, and thus are not considered in any way in the determination of your course grade. Effort, improvement, class attendance and participation will all dramatically improve your grade in the course in that they will allow you to do well on quizzes and the final exam. They will not, however, actively participate in the calculation of your course grade.

Regrades: Regrade requests will be made using the built-in regrade request feature in Gradescope. There will be a limited window of time after your graded work is made available during which the regrade request feature will be active. This time window will be announced when the scores are released to the students. Please be advised that the regrade request window is usually brief, and if you want to request a regrade, it is your responsibility to make the request during the allowed time. Please understand that while we will correct errors in the grading, we will not modify the grading rubric or negotiate over partial credit after graded papers are returned to students.

Piazza: The TAs and instructors for the Math 20C lectures will be offering help on Piazza Monday-Friday. Please sign up using the following link: `piazza.com/class/fall2021/math20c`. Only comments/questions pertaining to the mathematical content/logistics of the course are allowed. Any postings that do not meet this criteria will be deleted and Piazza privileges may be removed. As a diverse community of learners, students must strive to work together in a setting of civility, tolerance, and respect for each other and for the instructor! Conflicting opinions among members of a class are to be respected and responded to in a professional manner.

Electronic computing devices: Graphing calculators and computer programs (or online computing websites such as Wolfram—Alpha `https://www.wolframalpha.com`) can be very helpful when working through your homework. However, a calculator/computer should be used as an aid in learning concepts, not just as a means of computation. You can use these devices when working on math problems, but always keep in mind that any answers you give must be accompanied by accurate justification.

Collaboration: You are allowed to discuss homework problems with your classmates. However, the final write-up of solutions should be your own work and reflect your own understanding of the problems. Copying or paraphrasing part of the solution to a homework problem from a classmate or from the internet is considered academic dishonesty.

Academic Integrity: According to the UCSD Policy on Integrity of Scholarship (`http://senate.ucsd.edu/Operating-Procedures/Senate-Manual/Appendices/2`), "no student shall engage in an activity that undermines academic integrity or facilitates academic integrity violations by others". According to the policy, you are not allowed to:

- Complete, in part or in total, any assignment for another person.
- Have any of your course work be completed, in part or in total, by someone else.
- Plagiarize or copy even part of the work of another person or source and submit it as your own work.
- Employ aids excluded by the instructor in completing any assignment.
- Alter graded class assignments, then resubmit them for re-grading;
- Submit substantially the same material in more than one course without prior authorization; and misrepresent, to your instructor, any aspect of your academic work

Students caught cheating will face an administrative sanction which may include suspension or expulsion from the university.

Name and Gender Pronouns: UC San Diego is committed to supporting its students' name and gender preferences. Class rosters provided to your instructor and TAs have students' legal names, but we will strive to honor your request to be addressed using a preferred name or gender pronoun. Please let your instructor and TA know your preferences so that we can make changes to our records. (Certain university records may be beyond our ability to change, however.)

Equity, Inclusion, and Respect: We are committed to the UC San Diego Principles of Community (see `https://ucsd.edu/about/principles.html`). "To foster the best possible working and learning environment, UC San Diego strives to maintain a climate of fairness, cooperation, and professionalism. These principles of community are vital to the success of the University and the well being of its constituents." The principles of community include (but are not limited to):

"We affirm each individual's right to dignity and strive to maintain a climate of justice marked by mutual respect for each other." "We reject acts of discrimination based on race, ethnicity, sex, gender identity, age, disability, sexual orientation, religion, and political beliefs, and, we will confront and appropriately respond to such acts." "We promote open expression of our individuality and our diversity within the bounds of courtesy, sensitivity, confidentiality, and respect." "We are committed to promoting and supporting a community where all people can work and learn together in an atmosphere free of abusive or demeaning treatment."

Visit the Office for Equity, Diversity, and Inclusion (at `https://diversity.ucsd.edu`) for more information.

Course Calendar

Week	M	Tu	W	Th	F
0 09/20					12.1
1 09/27	12.2		12.3		12.4
2 10/04	12.5		13.1 HW due		13.2
3 10/11	13.2		13.3 HW due		Quiz 1
4 10/18	13.5		14.1 HW due		14.2
5 10/25	14.3		14.4 HW due		Quiz 2
6 11/01	Review	Midterm	14.5 HW due		14.5
7 11/08	14.6		14.7 HW due		14.7
8 11/15	14.8		15.1 HW due		Quiz3
9 11/22	15.1		15.2		holiday
10 11/29	15.2		15.3 HW due		Review

Note: There are a total of 30 scheduled lectures. Of these, 25 will be recorded lectures. Three lectures will be reserved for the quizzes. Two additional lectures will be devoted to review sessions before the midterm and final exams.

This syllabus is subject to change during the quarter, particularly to address issues related to the COVID-19 pandemic.