

Syllabus Math 20E Fall 2019

Instructor: Joseph Ferrara

Email: jferrara@ucsd.edu

Office: AP&M 6321

Office Hours: Mondays 5:00 - 6:00 pm, Wednesdays 3:00 - 4:00 pm, and by appointment.

Lecture: MWF 4:00 - 4:50 pm, Mandeville Center B210

Course Webpage: <http://www.math.ucsd.edu/~jferrara/20efall19/>

Textbook: *Vector Calculus*, sixth edition by Jerrold E. Marsden and Anthony Tromba. Published by W. H. Freeman and Company, 2012. We will cover sections 5.1-5.5, 6.1, 1.4, 6.2, 4.3, 7.1-7.6, 4.4, 8.1-8.4 of this book.

Midterms

Midterm 1: Monday, October 21 in lecture

Midterm 2: Friday, November 15 in lecture

There will be no make up midterms. It is your responsibility to make it to the midterms. You are allowed one hand written 8.5 by 11 inch paper of notes on the midterms. No books, calculators, or other written or electronic aids are allowed during the midterms. You must bring your student ID to the midterms.

Final: Tuesday, December 10, 3:00 - 5:59 pm. The location is to be determined. There will be no make up finals. If you do not come to the final, you fail the class. You are allowed one hand written 8.5 by 11 inch paper of notes on the final. No books, calculators, or other written or electronic aids are allowed during the final. You must bring your student ID to the final.

Homework:

- There are 8 written homework assignments. The homework assignments are to be turned in by the due date and time into the homework box of our TA, Wei Yin. The homework boxes are located in the basement of the Applied Physics and Math building to your left when exiting the main elevator or stairs.
- The homework assignments will be graded by the grader. The grading will be as follows: 75% for full completion of the homework with a reasonable attempt to solve every problem. To determine the final 25%, two problems on each homework set will be chosen at random to be graded by the grader. These problems will be graded for completeness and correctness. Expect that at least one of these two problems will be one of the harder problems on the problem set.

- To get credit on the homeworks, you must justify your answers. If you have the correct answer but no work shown for how to get the answer you will receive no points.
- The homework assignments are posted on the course website.
- Each individual homework assignment is weighted equally for the final grade.

Grade Breakdown:

Homework 20%
 Midterm 1 20%
 Midterm 2 20%
 Final 40%

Your final letter grade will be based on the following grading scale:

A+	A	A-	B+	B	B-
97-100	93-96.99	90-92.99	87 - 89.99	83-86.99	80-82.99
C+	C	C-	D	F	
77-79.99	73-76.99	70-72.99	60 - 69.99	below 60	

The above scale may be adjusted to be more lenient depending on the the overall performance of the class. You will not receive a letter grade based on your weighted percentage that is worse than the above table indicates.

Discussion Sections and Teacher’s Assistant: There are four discussion sections for this course:

C01	Th 5:00 - 5:50 pm	APM B412
C02	Th 6:00 - 6:50 pm	APM B412
C03	Th 8:00 - 8:50 pm	HSS 2150
C04	Th 9:00 - 9:50 pm	HSS 2150

You must be enrolled in a section. The teacher’s assistant for the course is Wei Yin. He will lead the discussion sections. His email address is wey101@ucsd.edu.

Accommodations: Students with special needs or disabilities please provide the instructor with an Authorization for Accommodation (AFA) letter issued by the Office for Students with Disabilities (OSD, <http://disabilities.ucsd.edu/>) as soon as possible.

Academic Honesty: Academic dishonesty is a considered a serious offense at UCSD and will not be tolerated. Students caught cheating will face an administrative sanction which may include suspension or expulsion from the university. See the UCSD Policy on Integrity of Scholarship (<http://senate.ucsd.edu/Operating-Procedures/>)

Senate-Manual/Appendices/2).

General Notes: On the exams (the midterms and final) you are responsible for knowing any material taught in lecture or written in the book in the sections covered. You are also responsible for knowing all the information taught in prerequisite math courses for this course.

Reading the book and doing practice problems is an important part of succeeding in a math course. It is recommended to read the sections covered in lecture before lecture. Even if you do not understand what you are reading, familiarizing yourself with the words and ideas makes digesting them in lecture easier.