

Math 10C Syllabus

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Math 10C Calculus Spring 2016 Course Syllabus

Updated 3/26/16

Course: Math 10C ([Course Catalog](#))

Title: Calculus III

Credit Hours: 4 (No credit given if taken after or concurrent with 20C.)

Prerequisite: AP Calculus BC score of 3, 4, or 5, or Math 10B, or Math 20B.

Catalog Description: Introduction to functions of more than one variable. Vector geometry, partial derivatives, velocity and acceleration vectors, optimization problems.

Textbook: *Calculus*, 6th edition, by Deborah Hughes-Hallett, et. al.; published by John Wiley & Sons, Inc. 2013..

- You must have a copy of the book that with the **WileyPLUS Online Homework code**. Otherwise, you will have to buy the code separately! (If you were in Math 10B last quarter, then you can use the same WileyPlus code as last quarter.)
- If you want **ELECTRONIC ACCESS ONLY**, you can buy the WileyPLUS code separately. Then you do not need to buy a physical copy of the book. (This is the cheapest option.)
- If you want a physical copy of the book, the bookstore has several textbook options available. The "required" text, *Calculus: Single & Multivariable* covers the material in 10A, 10B, and 10C. For students who will take only 10C, a less expensive option is *Calculus: Multivariable* which covers the material in 10C only. For each of these texts, there is a cheaper looseleaf version which can be bound in a 3-ring binder. Any of these options suffice for this course.
- [The publisher also has a Wiley companion site for the textbook.](#)
- **Important:** Register for WileyPlus using your UCSD email address and Student ID. Failure to do so may result in loss of your homework grade!

- Visit the course [Wiley page](#) for instructions for registering and other information.

Subject Material: We shall cover parts of chapters 12 -- 16 of the text.

Reading: Reading the sections of the textbook corresponding to the assigned homework exercises is considered part of the homework assignment; you are responsible for material in the assigned reading *whether or not it is discussed in the lecture. It will be expected that you read the assigned material in advance of each lecture.*

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 "paper-and-pen" homework (which will not be graded).

- The "paper-and-pen" homework assignments will be announced on the course ["Homework" page](#). These assignments will not be turned in and will not be graded; however, you will be tested on the concepts they address. If you seek help from the instructor or TAs, they will do these problems, not the online homework problems.
- Online homework will be done through [WileyPlus](#), a service hosted by the publisher of our textbook.
- **If 80% of the class participates in CAPE reviews**, one homework assignment score will be dropped at the end of the quarter.

You can get help with the homework assignments in the [Calculus Tutoring Lab](#). A Student Solutions Manual (available online as part of [WileyPlus](#)) has complete solutions for odd-numbered problems in the text.

Late Homework: Online homework may be turned in late; however, there is a late penalty of 50%. (This is applied only on the problems submitted late, and not on the entire assignment.)

Piazza: Piazza is an online discussion forum that allows you to ask questions using mathematical symbols and expressions. Piazza was designed to enable you to get help quickly and efficiently from classmates, TAs, and instructors. Rather than emailing questions to the teaching staff, you are encouraged to post your questions on Piazza. The size of the class is such that you should mainly only use email to set up appointments to meet in person. Your instructor and TAs are, remember, humans, and they have the usual life responsibilities all humans

have, so you cannot always expect a prompt response, but they are likely to be more prompt in Piazza than email. Since anyone can participate on Piazza, and, optionally, anonymously, other students can also respond. Of course, the instructor and TAs will double-check and endorse good answers.

Finally, Piazza will definitely also be a spot where I will post lecture clarifications and corrections, lecture notes, and supplements.

- Find our class Piazza page at:
<https://piazza.com/ucsd/spring2016/math10clectureb/home>.

Note: If you have any problems or feedback for the developers, email team@piazza.com.

Electronic Computing Devices: Graphing calculators and computer programs (or online computing websites such as [Wolfram|Alpha](#)) can be very helpful when working through your homework. However, a calculator/computer should be used as an aid in the learning concepts, not just as a means of computation. You should use these devices when working on math problems at home, but always keep in mind that you will not be allowed access to any electronic computing devices during exams. Of course, this also means that you will not be asked to solve problems on exams that require the aid of an electronic computing device.

- Help with using TI graphing calculators is available in the [Calculus Tutoring Lab](#).
- The use of electronic devices will not be permitted during exams.

Exams: There will be two midterm exams and one final exam. See the [course calendar](#) for the specific dates.

- It is your responsibility to ensure that you do not have a schedule conflict involving the final examination. You should not enroll in this class if you cannot sit for the final examination at its scheduled time.
- There are no make-up exams for any reason. Nor do we allow alternate times for taking exams. (If you have a documented disability or must miss the exam for a university sponsored activity, or you actually have an enrollment conflict--since the midterms are scheduled at a different time--then arrangements can be made using the standard procedures.)
- You may bring ONE 8.5 by 11 inch sheet of handwritten notes with you to examinations. You may use both sides. (No photocopies!)
- **No calculators will be allowed during the examinations.**
- You must bring a [Blue Book](#) to each exam.

Regrade Policy: Midterm exams will be returned in the discussion sections. If you believe there might be an error in the grading and wish to have your exam regraded, you must observe the following rules:

1. Return your exam immediately to your TA. Regrade requests will not be considered once the exam leaves the room.
 - If you are not satisfied with the TA's response to your regrade request, you may ask for the instructor to review it. In order to do this, you must:
 1. Return your exam immediately to your TA and,
 2. ask that they forward your exam to the instructor.
 - Instructor review requests will not be considered once the exam leaves the room.
2. Retrieve your exam during discussion section or arrange to pick it up from your TA within one week after it was made available for pickup (i.e., returned) in section. In order to be considered, regrade requests must be submitted within one week after being returned in section.

Administrative Deadline: It is your responsibility to check your exam scores on [Ted](#) and contact your TA **before the end of the 10th week** of the quarter to resolve recording errors. (Obviously, for the final exam, procedures will be different)

- Questions regarding missing or incorrectly recorded exam scores *will not be considered after the last day of instruction*.
- **Note:** Your WileyPLUS online homework record will be uploaded to [Ted](#) after the deadline for the last assignment.
 - Technical problems with your WileyPLUS account should be resolved as early as possible. Questions regarding WileyPLUS will not be considered after the last day of instruction.
 - **Important:** Register for WileyPLUS using your **UCSD email address** and **Student ID**. Failure to do so may result in loss of your homework grade!

Grading: Your course grade will be determined by your cumulative average at the end of the term and will be based on the following scale:

A+	A	A-	B+	B	B-	C+	C	C-
97	93	90	87	83	80	77	73	70

We may adjust the scale to be more lenient (i.e. we "curve"), depending on the

performance of the class, **but we will strive to make curving unnecessary**. The one guarantee you have is that the scale will not be made more difficult (i.e. "curving against"); there is no situation, for example, that a 95% would be a B+. Please note that there are no D grades.

Your cumulative average will be the **best of the following two methods** of computing the weighted average. (You do not have to indicate what option you want; the better score for you will be chosen automatically.)

- **Method 1:** 20% Homework, 20% Midterm Exam I, 20% Midterm Exam II, 40% Final Exam
- **Method 2:** 20% Homework, 20% Best Midterm, 60% Final Exam

This way, if you miss the midterms for any reason at all, it will not count against you, but you trade that freedom for increased pressure on the final exam.

Other Notes

- **You must pass the final examination in order to pass the course (however, a "pass" on the final exam will be considered 60 and above, not 70 and above, and may be adjusted to be more lenient).**
- Again, since there are no makeup exams, if you miss the midterm exam for any reason then your course grade will be computed using Method 2.
- **Keep all of your returned exams.** If there is any mistake in the recording of your scores, you will need the original assignment in order for us to make a change.
- It is your responsibility to ensure that you do not have a schedule conflict involving the final examination.
 - **You should not enroll in this class if you cannot sit for the final examination at its scheduled time.**

Academic Dishonesty: Academic dishonesty is considered a serious offense at UCSD. Students caught cheating will face an administrative sanction which may include suspension or expulsion from the university. It is in your best interest to maintain your academic integrity. ([Click here](#) for more information.)

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