

## Math 10B Summer Session I 2015

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**Course:** Math 10B: Calculus II

**Instructor:** Michael Tait

**Office:** APM 6321

**Office Hours:** Wednesday 10:50-11:50 am, Thursday 12-2 pm, Friday 10:50-11:50 am

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### Textbook:

- Hughes-Hallet et al *Calculus*, 6th edition.
- No calculators will be required for the class, and they will not be allowed on exams.

**Prerequisites:** AP Calculus AB with a score of 3 or higher, or Math 10A, or math 20A. No credit will be given if taken after or at the same time as Math 20B.

**Catalog Description:** Integral calculus of functions of one variable, with applications. Antiderivatives, definite integrals, the Fundamental Theorem of Calculus, methods of integration, areas and volumes, separable differential equations.

**Material Covered:** We will cover parts of Chapters 5,6,7,8, and 11 in the text. The UCSD math department website has a syllabus which lists which sections are to be covered, and I will follow that closely.

**Homework:** Calculus is a course based on solving problems. As such, practicing problems is extremely important. In my opinion, the single most important thing that you can do to succeed in this class is to spend time FINISHING and UNDERSTANDING the homework that I assign.

**Reading:** Reading through the sections that will be covered before class will help you immensely. You can look on the course calendar to see which sections will be covered. Reading the book and working through the examples will allow you to understand the lecture much more fully. You **will perform better on your exams** if you do this.

**Midterm exams:** There will be two midterm exams, tentatively scheduled for July 10 and July 24. Since there is some flexibility in the grading policy (see below), *there will be no makeup exams*. You may bring one 8.5 by 11 inch sheet of paper with handwritten notes with you to each exam. No calculators will be allowed on the exams. If you violate the instructions of a midterm or communicate in any way with any other student during a midterm, you will receive a zero on that midterm, and the zero will not be dropped when calculating your cumulative course average.

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I am also available by email

**Final exam:** The final exam will be held from 3:00 pm to 6:00 pm on Saturday August 1. *There will be no makeup finals and you should not enroll for this course if you cannot take the final exam at its scheduled time.* You may bring one 8.5 by 11 inch sheet of handwritten notes to the final, and you will not be allowed a calculator. If you violate the instructions of the final exam or communicate in any way with any other student during the final exam, you will receive a zero on the final exam.

**Regrades:** All graded materials will be returned in the discussion sections. If you find a grading or point totalling error on any graded material, you must return it immediately to your TA. Regrade requests will not be considered once the graded material leaves the room. If you do not retrieve your graded materials during discussion section, you must arrange to pick them up from your TA within one week after they were returned in order for any regrade request to be considered. Keep all of your graded materials and check TED to make sure that the grades on your papers are the same as the grades recorded on TED. If there is any mistake in the recording of your scores, you must bring us the original exam in order for us to make a change.

**Grades:** Your cumulative average will be the best of the following two weighted averages:

- 20% Homework, 20% Midterm I, 20% Midterm II, 40% Final exam.
- 20% Homework, 20% best Midterm, 60% Final exam.

After your weighted average is calculated, letter grades will be assigned based on the standard grading scale:

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

I may adjust the above scale to be more lenient (depending on the overall class performance), but we guarantee that we will not adjust the scale to make it harder to get a better grade. Please note:

- You must pass the final exam in order to pass the course.
- There are no makeup exams, so if you miss an exam then your course grade will be computed using the second grading option (with the final exam counting for 60% of your grade).

**Late Homework:** Late homework will not be accepted. Please do not ask me or your TA if you may submit a homework after its due date. The lowest homework grade will be dropped in order to account for extraneous circumstances.

**Tips for success:** First and most importantly, expect to spend at least 12 hours per week working for this course. If you spend enough time solving problems and reworking your notes, you will understand the concepts of the course. You should come to class prepared and eager to learn. I will let you know what we will be covering next, and you should skim over these sections before lecture. You will be surprised the difference that a 15 minute head start makes in how much you understand during a lecture. Plan to start your homework early, and that way you can ask me questions before it is due. I am always available by email, and this is the best way to get into contact with me. Calculus can be very frustrating if you are lost and confused, but very exciting and fun if you are on top of things. I promise that you will enjoy this class more if you are doing well!