

Math. 3B, Fall 2009, MWF 12-12:50, Chuck Akemann

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We are paid to help you learn.
We encourage you to use
our office hours and Math Lab.

TA:

The text is Single Variable Calculus (Early Transcendentals), **Sixth** Edition, by James Stewart. The text and online access to the Student Solutions Manual are available in the bookstores as a package. You can also buy both separately via Internet. Please bring the text to each lecture and discussion section. In addition to our office hours, you can seek help at the Mathematics Lab, Monday-Friday, 12-5 PM, South Hall 1607, starting in the second week of classes. Mathematics graduate students are there during these hours to answer questions. CLAS has instructional groups associated with this class, and drop-in tutoring is also available. Go to 3210 SRB (<http://www.clas.ucsb.edu/>) for more information. I also strongly encourage you to form study groups to work on the homework. Explaining mathematics is the best way to learn it well. The course outline and homework for the quarter are shown on the back of this page. Homework will not be collected since it is completely worked out in the Student Solutions Manual

I expect students will work an average of 16 hours of work per week on this course, including time spent in class and discussion. This should give you time to read the text, do the homework, and review. It is very helpful if you have read each section of the text before the lecture that covers it. I encourage you to make a time budget for all of your classes. That way you know how much time you have left for non-academic activities.

The midterms will count 15%, each and the final exam will count 55%. The final exam will be long and will cover the entire course. Grades will be calculated according to the following table. **There is no "curve" grading.** 100-98=A+, 97-92=A, 92-90=A-, 89-88=B+, 87-82=B, 81-80=B-, 79-78=C+, 77-72=C, 71-70=C-, 69-68=D+, 67-62=D, 61-60=D-, 59-0=F. Since every exam will have extra credit points on it, it is easier to get an A+ than it might appear. There have always been A+ students in my classes.

Calculators are strongly encouraged at all times, including all exams. Get a good one, learn how to use it, and bring it to class and discussion section. However, calculator skill is not a substitute for understanding what is going on. In particular, quoting your calculator on an exam will **never** be a substitute for showing your work or explaining what you are doing. For each exam you will be allowed to use one 3"x5" card with any notes you want written on it. The purpose of this rule is as follows. Write down everything you need to know before an exam, and keep studying until the only things that you don't know COLD can fit on one 3x5 card. Do not bring a larger card or more than one card, and do not store notes in your calculator. That will be considered cheating, and here is the last word on the subject of cheating.

The penalties for cheating on a test are intense personal shame and self-delusion about your knowledge of the material. If you are caught, you will also get an F in the course, and you will almost surely be suspended from school for two quarters.

Date	section #	exercises	Notes: 1-N means odd numbers only. The rule on exams will be "Do not simplify answers".
25-Sep		4.9(13-19, 49, 53, 63, 67, 71, 75)	
28-Sep		5.1(1a, 3, 11, 13, 19, 21)	
30-Sep		5.2(1, 5a, 7, 17-23, 29, 33-39, 47-51, 55-59)	
2-Oct		5.3(1-7, 13-41, 53-55, 69, 71)	
5-Oct		5.4(1-17, 21-43, 47-55)	
7-Oct		5.5(1-69)	
9-Oct		6.1(1-27, 53)	
12-Oct		6.2(1-17, 31-35, 49, 51, 67)	
14-Oct		Review	
16-Oct		First Midterm	Covers 4.9 - 6.1
19-Oct		6.3(1-25, 37-45)	
21-Oct		6.4(1-23)	
23-Oct		6.5(1-9, 13, 17, 19), Chapter 6 review exercises (1-11, 23-27)	
26-Oct		7.1(3-27, 57, 63)	
28-Oct		7.4(7-29)	
30-Oct		7.6(1-25)	
2-Nov		7.7(7-17, 21)	
4-Nov		7.8(5-39)	
6-Nov		8.1(7-17)	
9-Nov		Review	
13-Nov		Second Midterm	Covers 6.2-8.1
16-Nov		8.2(5-15, 25-27)	
18-Nov		8.3(3-11, 29-35, 41, 45)	
20-Nov		10.1(1-15)	
23-Nov		10.2(1-7, 11-15, 33, 41, 51)	
25-Nov		10.3(1-25, 57-61)	
30-Nov		10.4(1-11, 23, 25, 29, 31)	
2-Dec		Review	
4-Dec		Third Midterm	Covers 8.2-10.4
9-Dec		Final exam 12-3	Covers everything