

Math 1A Lecture 001  
Summer 2007  
Syllabus

Instructor: Lynn Scow

Office Hours: W-Th-F 10-11am in 1064 Evans (10th floor of Evans) or by appointment

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Class Meeting Times: M-F 8-10am in 433 Latimer (6/25 - 8/17, excepting 7/4)

Introduction:

Welcome to Math 1A! This is a course in first-semester calculus designed for majors in engineering and physical sciences. The course provides an introduction to differential and integral calculus of functions in one variable. We introduce limits, derivatives, and at the end of the course, integrals of functions. Along the way we pick up many techniques to evaluate derivatives and compute limits and we also discuss applications of calculus to approximation and optimization problems. The course has its more theoretical and more applied aspects and hopefully there will be something of interest for everyone.

Topics: The book we will be using is *Calculus: Early Transcendentals*, 5th edition, by James Stewart. We will be covering Chapters 1-6 in the book with the exception of a few sections. You are only responsible for the material we cover in class.

Grading Policy: The following is a breakdown of your total grade. Be sure to familiarize yourself with the due dates and policies. Please be advised that time is short and there is no made-up work in this class. To receive credit on the midterm exams you must be able to attend the dates listed below. *Students enrolled in this class must be able to attend the final exam date.*

**Midterms** (20% each): The midterms are scheduled for the second hour on Fridays, **July 13** and **August 3**.

**Final** (40%): The final is scheduled for the full two hours on the last day of class, Friday, **August 17**.

**Homework** (10%): There are two homework assignments due every week. Homework will be due on Mondays and Thursdays starting with this Thursday (6/28). You may work with other students solving the problems but you must write up your own solution. The grader will be correcting a selection of problems from each assignment. Credit is given both on the basis of these problems and also on the overall completeness of your assignment (i.e. does a quick assessment show that you attempted all of the problems in a serious way?)

*Late homework is not accepted.* The two lowest homeworks will be dropped; this is to accommodate all cases of sudden illness, forgotten homeworks, outside commitments, etc.

Please consult my webpage for the homework assignments. Assignments will be posted at least a week in advance.

**Quizzes** (10%): There will be a quiz on every Friday that we do not have an exam. The first quiz will be this Friday (6/29). Quizzes will test you on the material of the previous two homework assignments (i.e. due Monday and Thursday of that week). I will be grading the quizzes in their entirety.

*There are no make-up quizzes.* The lowest quiz will be dropped.

All exams and quizzes take place in our lecture room, 433 Latimer. Students needing special testing accommodations should speak with me in the first week of class.

Throughout the semester, please don't hesitate to contact me with feedback or questions about the course. Best of luck in your studies!