Syllabus　　　　Math 195, Section 91　　　　Summer 2009

A complicated model might have many inputs and many outputs. How do small changes to those inputs affect the outputs? In this class, you will learn to use calculus to analyze such situations.

Resources

We present six resources to help you to learn multivariable calculus.

Office Hours

If you have questions, want to work through problems, or just talk about mathematics, I invite you to come to my office hours.

Name:	Jim Fowler	**Office Hours:**	Tuesday 4:30–6:00P.M.
Office:	Math/Stat 102		Thursday 4:30–6:00P.M.
Email:	jim@uchicago.edu		and by appointment

Please email me with any concerns you have; the success of this course depends on open communication.

Textbook

Our text is *Multivariable Calculus* by James Stewart (sixth edition). Somewhat confusingly, the first chapter in this book is numbered "11."

Website

The website is on chalk; I will post assignments, notes, handouts.

Lectures

We will meet Mondays, Wednesdays, and Fridays, 9:00–11:00A.M. in room 108 of the Social Sciences Research Building for an interactive lecture. There will be no lecture on July 3, 2009.

Take-home quizzes

Your quizzes will be graded by Jim Fowler.

Recommended Homework

Homework will be assigned, but not graded.

Requirements

There are one thousand points possible in this course, broken down as follows:

Quizzes (100 points). After most classes, a short take-home quiz will be assigned.

2 midterms (225 points each). The midterms are in class. The first midterm is on Monday, July 6, 2009; the second will be on Friday, July 17, 2009. The first midterm will replace the first hour of lecture; the second hour will be an interactive lecture as usual. The second midterm will be an oral exam scheduled outside of class.

Participation in lectures (50 points). The lectures will be interactive: you should participate.

1 final exam (400 points). The final exam will be at 9:00–11:00A.M. on Friday, July 24, 2009, in room 108 of the Social Sciences Research Building.

Department Policy on Final Exams

It is the policy of the Department of Mathematics that the following rules apply to final exams in all undergraduate mathematics courses:

1. *The final exam must occur at the time and place designated on the College Final Exam Schedule.* In particular, *no* final examinations may be given during the tenth week of the quarter, except in the case of graduating seniors.

2. Any student who wishes to depart from the scheduled final exam time for the course must receive permission from Paul Sally (office is Ryerson 350, phone is 2-7388, email is `sally@math.uchicago.edu`). Instructors are not permitted to excuse students from the scheduled time of the final exam except in the cases of an Incomplete.

Requesting to reschedule a midterm

Contact Jim Fowler as soon as possible if you will not be able to take a midterm on the scheduled day.

Late quizzes, skipping class, and so forth

You absolutely must stay caught up. It is tempting to fall behind, but difficult to catch up again—this is true of all courses, but especially true of a course in mathematics. That said, I understand your schedules are very busy, so I will not penalize you for *infrequently* turning in your work *a day or two late.* Do not make a habit of it!