

2110 Multivariable Calculus, Section 06, Fall 2009

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Office hours: Wednesday 2-3 PM and Thursday 2-3 PM, or by appointment. You are also welcome to look for me in my office.

Course homepage: The course homepage is

<http://www.math.uconn.edu/~hering/math2110f09/index.html>.

Make sure you check this page regularly (I suggest you bookmark it). It will contain information about the course such as the homework, what sections will be covered and important dates.

Course description: The topics are “Two- and three-dimensional vector algebra, calculus of functions of several variables, vector differential calculus, line and surface integrals”.

In practice, this means you will learn how to deal with functions of several variables: derivatives, integrals, integrals along a curve, integrals along a surface. (The only material of Calculus 1-2 that won't reappear are infinite sequences and series.)

Textbook: Multivariable Calculus, 6th edition, by James Stewart. Chapters 12–16.

Exams: There will be two midterms. Their tentative dates are

- Exam 1: Tuesday, October 13
- Exam 2: Tuesday, November 17

The final exam will be on December 17, 8-10 AM and will cover the entire semester. All exams are closed-book exams, but you can use your calculator. If you cannot make it at one of these dates, let me know immediately.

Individual Homework: I will assign individual homework every day on the course homepage after class. I will assign odd problems so you can check whether you have the correct answer. For additional practise I encourage you to do every odd problem in the book in the chapters we covered in class.

Group Homework: I will collect group homework every Thursday in class. Each week you should assign a scribe (this assignment should rotate through your group). Please write the names of your group on the top page of the homework, and underline the scribe's name. I only will accept stapled homework.

You should meet twice a week with your group to discuss the homework. Make sure you tried the problems before your first meeting. Between the first and the second meeting, the scribe should write up the homework as well as possible, so that you can finish up the assignment together during the final meeting.

Quizzes: There will be short quizzes (20 min) on the material of the homework. Your worst quiz will not count towards your credit; if you miss a quiz, you will get 0 points. *After you have missed one quiz, you will get 0 points in your credits towards the final grade for every further quiz you miss.*

The tentative dates for quizzes are 9/10, 9/23, 10/6, 10/27, 11/10, 12/8.

Grading: You will obtain 5 grades, which will count as follows towards your final grade: 15% homework, 25% quizzes, 15% midterm 1, 15% midterm 2, 30% the final. Your current homework and quiz scores will be available via HuskyCT—look for a link on the course homepage once it is relevant.

General advice: It is very important in math classes to keep on the ball. Often it takes a while for the material to sink in, so it is much more effective to get started with the homework early, and to work a little bit several times a week instead of trying to learn everything at once. Make a habit of preparing for class by reading the section that is going to be covered before class (see the course homepage to find out what section that is going to be).