

Math 250 - Calculus III - Spring 2006

Professor: Dr. Marc Ordower
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Office hours: Monday 11:30 - 12:30
Tuesday 10:30 - 12:00, 2:10 - 3:40
Wednesday 2:10 - 3:40
Thursday 10:30 - 12:00, 2:10 - 3:40
Friday 11:25 - 11:55
And by appointment

Text: *Calculus* by Larson, Hosteler and Edwards

Catalog Description: An introduction to vector calculus. Differential and integral calculus of more than one variable. Vector fields, including Green's, Stokes', and the Divergence Theorems. Hours credit: 3. Prerequisite: Mathematics 150 and 241, or permission of the Department.

Course Objectives: The student will learn to apply the concepts of calculus to functions of more than one variable. This will provide her with the tools she needs to analyze comprehensive models covering a very broad class of real-world phenomena.

Help: I urge you to ask questions in class. In so doing, you will help yourself and your classmates. I also hope to see many of you at office hours over the course of the term. Don't forget that you can make an appointment if you can't make my regularly scheduled office hours.

Web Page: Homework assignments, review sheets, and general course information will be posted on my web site at <http://faculty.rmwc.edu/mordower/math250/math250.html>

Grading: Your grade will be determined according to the following scheme.

Midterm I	Midterm II	Midterm III	Homework	Final Exam
15%	20 %	20%	20%	25%

The dates (tentative) for the midterm exams are as follows:

Midterm Exam I - Wednesday, February 15
Midterm Exam II - Wednesday, March 22
Midterm Exam III - Friday, April 21

Homework is an integral part of this course and there will be an assignment due almost every day. Each assignment will include practice problems and pledge problems. I encourage you to work together on practice problems. You may also ask assistance from me. Pledge problems must be done alone. These are the problems that will be submitted and graded. Assignments will be collected on the next class day and will be considered late if not submitted by 10 am the following week day. For example, homework assigned on Monday will be due on Wednesday but can still be submitted without penalty until Thursday at 10 am. *You will be penalized 10 % for a late assignment. No paper will be accepted if it is more than two days late.*

Homework submissions will only be accepted if they meet the following criteria:

1. Homework must be neat and organized. This means that solutions are clearly labeled, graphs are large enough to read and all steps in your solution are shown.
2. Multiple sheets must be stapled. There is a stapler in the Ethyl Center.
3. Sheets of paper may not have ragged edges.
4. The section from which the problems are assigned must be indicated.

Tentative Schedule:

Week of	Sections
January 16	Background, 10.1, 10.2
January 23	10.3, 10.4, 10.5
January 30	10.6, 10.7, 11.1
February 6	11.2, 11.3, 11.4
February 13	11.5, Midterm I, 12.1
February 20	12.2, 12.3, 12.4
February 27	12.5, 12.6, 12.7
March 13	12.8, 12.9, 12.10
March 20	13.1, Midterm II, 13.2
March 27	13.3, 13.4, 13.5
April 3	13.6, 13.7, 13.8
April 10	14.1, 14.2, 14.3
April 17	14.4, 14.5, Midterm III
April 24	14.6, 14.7, 14.8