

Mathematics 241H Calculus III
Fall, 2006

Text: *Calculus with Analytic Geometry* (sixth edition) by Ellis and Gulick.

Recommended Computer manual: *A MATLAB Companion for Multivariable Calculus* by J. Cooper.

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Office Hours: M 2-4, W 1-2, and by appointment.

Class meets for one hour, 10-11 on Monday and Friday; we meet for 2 hours, 9-11 on Wednesday.

We will cover all or parts of chapters 11-15 of the text. Math 140 and 141 are prerequisites for this course, and it is assumed that you are very familiar with the material in Chapters 1-9 of the text. Some reference may be made to Chapter 10. Good class attendance and homework are essential to doing well in this course. Don't get behind.

We will use MATLAB extensively to enhance the computational and graphics aspect of the course. No previous experience with MATLAB is necessary, we will learn as we go. There will be five MATLAB projects.

There will be four hour exams and a final. There will also be 8-10 quizzes. The tentative dates of the exams are:

Hour Exam I	September 22
Hour Exam II	October 13
Hour Exam III	November 3
Hour Exam IV	December 1
Final Exam	December 14

The homework and exams will be weighted as follows: Each hour exam = 100 points, final exam = 200 points, homework (projects and quizzes) = 100 points for a total of 700 points. The course average = total points/7. Letter grades will be assigned on the usual scale of A: 90 -100, B: 80 - 89, etc.

Make up exams will be given only in the case of serious family or medical problems, or university sponsored activity, all of which must be well documented.