Math 113 **Calculus III** **Fall 2005**

Course Information

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Office Hours: Monday, Wednesday 2:00-4:00 PM
Other times by appointment, or just drop by to see if I'm available.

Text: *Multivariable Calculus, Fourth Edition*, McCallum, Hughes-Hallet, Gleason, *et al.*
The *Student Solutions Manual* for this text is also available and highly recommended.

Web Page: http://math.colgate.edu/∼wweckesser/math113/

Topics Covered:

Chapters 12–16, plus Sections 17.1 and 17.2. We may skip some sections, and we will cover some topics in a different order than in the text.

Homework:

Homework will be assigned and collected each week (with a few exceptions). Each assignment handed in will be marked with a "check", a "check minus" or a zero. If it is clear that you have made a concerted effort to do all the problems, you get a "check". Incomplete or excessively sloppy work will be given "check-minus". Assignments not turned in, or turned in but obviously executed with very little effort, will be given a zero. *Late homework will not be accepted.*

Important notes about the homework:

1. Doing the homework diligently every week is the most crucial part of the effort that you will put into this course.

2. Some of the problems will be similar to the examples covered in the text and in class, but *some will be significantly more difficult!* The easier exercises help you to learn the basic techniques, while the harder problems will force you to go beyond what I have covered in class and apply the techniques to new and challenging problems.

3. Collaboration with your classmates on the homework is encouraged! However, collaboration does not mean copying someone else's answers. It means working together so understands and solves the problems. You must write your own solutions in your own words.

4. When a problem asks you to *explain*, *describe*, or *interpret* something, you must answer with complete and grammatically correct sentences.

Quizzes:

There will be a short quiz (approximately 15 minutes) each week that there is not a midterm exam. The quizzes will consist of one or two problems based on the homework and lectures.

Exams:

There will be three midterm exams during the semester. The exams are held at 7 PM. The tentative dates for the midterm exams are:

Exam 1	Thursday, September 22
Exam 2	Thursday, October 20
Exam 3	Thursday, November 17

Let me know immediately if you have any unavoidable conflicts with these dates.

Consult the final exam schedule before making travel plans for the end of the semester, as the date and time of the final exam can not be altered.

Calculators:

No special calculator is required for this course. Some homework problems may require a calculator, but any basic scientific calculator should be fine. An assortment of powerful mathematical programs are available in the Math Department Computer Lab.

You will not be permitted to use a calculator on the exams or quizzes.

The Computer Lab:

We will have several sessions in the Math Department Computer Lab to introduce you to some useful tools that are available.

Grading:

Your grade will be based on the following:

Item	*Percent*
Homework	4
Quizzes	12
Exam 1	20
Exam 2	20
Exam 3	20
Final Exam	24

Your grade for the course will be determined by computing your numerical total and then converting that number to a letter grade, based on the following cutoffs:

100 - 96.7%	A+	86.7 - 89.9%	B+	76.7 - 79.9%	C+	66.7 - 69.9%	D+	0 - 59.9%	F
93.3 - 96.6%	A	83.3 - 86.6%	B	73.3 - 76.6%	C	63.3 - 66.6%	D		
90 - 93.2%	A-	80 - 83.2%	B-	70 - 73.2%	C-	60 - 63.2%	D-		

Reminder: Numerically, the homework makes up the smallest part of the final grade. However, *doing the homework is an essential part of the course!* It is by working through the homework problems that you will develop the deepest understanding of the material. Consistent and diligent effort on the homework will pay off in higher grades on the quizzes and exams.