

Course Information

Math 111, Calculus I

Fall, 2006

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Office Hours: 2:00, 3:00 MWF

Text: James Stewart, *Single Variable Calculus*, 5th edition

This course is a first course in Calculus. It will begin with limits and the definition of the derivative, spend considerable time on max-min and curve sketching, and end with the definition of the definite integral and the fundamental theorem of calculus. In general, the course will follow the text. We will cover most of Chapters 2-5. Some of you have had calculus before; it is important that you try to approach this as someone who has never seen it before.

If you have some deficiencies in algebra, trig and other pre-calc topics, this is a good opportunity to improve in these areas. All Math 111 will take two tests over these topics, with the second one counting for a grade. There will be special sessions covering these topics, which you can attend as needed.

There will be three tests during the semester, each counting 100 points; these exams will usually include a small take-home portion. The final exam will be at **9:00 am on Thursday, December 7, 2006** (“the Math and Business block”) and will count 300 points. There will also be some problem sets, quizzes, presentations, and Maple assignments counting at most a total of 100 points; some of these may be group assignments. The grade will be based on total points with a maximum point total of approximately 700 points. The grades may be curved at the end of the semester, but in no case will the grading be more severe than that of a ten-point (percentage) scale. *No make-up exams will be given.*

Maple is a powerful computer algebra system with excellent graphics. It is a part of the standard student load on your Thinkpad. We will be using it for demonstrations in class, and you will see that it is much, much more powerful than any calculator. You should try to utilize it rather than a calculator; you can even use it to check your answers on many homework problems. Indeed, calculators will not be allowed on any of the exams.

In addition to my office hours, there will be Math 111 drop-in help sessions available. I will announce the rooms and times for these.