

# MATH 2200L (Spring 2005)

9:30-10:45 AM  
Section 80-672  
Boyd Room 221

Instructor: Jerry Hower  
Office: 649 Boyd  
Office Phone: 542-5961  
E-mail: [jhower@uga.edu](mailto:jhower@uga.edu)  
Office Hours: M,T 2:00-2:45; F 1:00-2:30;

## Course description:

The purpose of the course is to give you an experience to enhance your growing Calculus abilities by completing appropriately challenging projects in the lab. Following each lab project the student will be asked to write up results through the use of Maple.

## Schedule(tentative):

Week 1: Introduction to 2200L

Week 2: Welcome to Maple 2

Then rest of the semester will be spent doing the following projects(not necessarily in the order as written):

Intro. to Limits; Some Interesting Limits; Definition of Derivative; Home Mortgages; Newton's Method; Parametric Curves; Analysis of a Graph.

Please remember to bring a floppy disk to the lab if you wish to save your work!

I reserve the right to adjust our schedule if I feel necessary. In particular we may not attempt some of the above projects if I feel that the work would be inappropriate for a 1 credit hour course.

## Grading:

The week 2 project is worth 5% percent of the final grade. The other 95% will be divided evenly among the other labs completed. Each lab will be scored out of 100%. I want the format of your write-up to be along the lines of the description at the bottom of [http://www.math.uga.edu/calclab/calclab2200/intro\\_limits1.html](http://www.math.uga.edu/calclab/calclab2200/intro_limits1.html) .When assigning a lab I will announce a due date. I anticipate it to often be the case that outside class work will be needed to complete the labs.

If you have questions or comments about the lab feel free to discuss them with me during office hours or via e-mail.

Honor Code: All students are responsible for maintaining the highest standards of honesty and integrity. The penalties for academic dishonesty are severe and ignorance

not an acceptable defense. For further information and official policy consult  
<http://www.uga.edu/ovpi/>