

MATH 2200L
Differential Calculus Lab
(Fall 2004)

Course: MATH 2200L
Call: 71-795

Room: GSRC 1023-0221
Time: 09:05A- 09:55 A F

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Course description.

The Calculus Lab has been designed to allow you to investigate mathematical problems in greater depth than is possible in a lecture course. You will work on projects and write reports on them with the aid of Maple, a computer algebra system.

Materials.

Students can get projects from
<http://www.math.uga.edu/calclab2200/>
Maple 8 is available on EITS sites.

Projects.

Date	due date
Aug 20 Welcome to Maple I	Aug 27
Aug 27 Welcome to Maple II	Sept . 03
Sept 03 Limits in Maple.	Sept. 17
Sept 17 Definition of the Derivative	Oct 01
Oct 01 Tangent Lines	Oct 15
Oct 15 Newton's Method	Nov 05
Nov 05 Power Lines through the Park	Nov 19
Nov 19 Analysis of a graph	Dec 03

Course grading.

Grades will be based on a student's performance in the 8 projects and quizzes. The score needed to get the various grades are:

A: 90%-100%; B: 80%-89%; C: 70%-79%; D: 60%-69%; F: 0-59%.

Withdrawal policy.

If a student withdraws from a lab, the student must withdraw from the regular course.

Additional information.

1. You are encouraged to work in groups on projects. You may obtain results as a group. However, the final write-up of your report must be your own. Each student must sign her/his report after the academic honesty statement at the end of the report.
2. Room 221 will be open Monday through Thursday between 6 pm and 10 pm for students to get help with the calculus labs and Maple. You can also take advantage of the *free math tutoring* offered through the UGA Tutorial Program and Learning Center, their Math lab (located in 132 Milledge Hall) will be open Monday-Thursday, 1pm-6pm.
3. This course syllabus provides a general plan for the course; deviation may be necessary.