

MATH 2200L Differential Calculus Lab (Fall 2004)

Course: MATH 2200L Room: GSRC 1023-0220 Call: 31-907
Time: 12:20P-1:10P Wed Instructor: Lirong Yu Email: yu@math.uga.edu
Office: 634 Boyd Graduate Studies Bld (706) 542 5139
Office hours: Monday 4:00P-5:00P, Wednesday 1:20P-2:20P.Or by appointment.

Course description

The calculus labs have been designed to give you an opportunity to investigate math problems in greater detail than in the calculus books. You will work on projects and write reports on them with the aid of Maple, a computer algebra system.

Materials

You can get all the materials on web site, <http://www.math.uga.edu/calclab/calclab2200>

Projects (and due dates)

Introduction to Maple and Calculus Lab	Sep.1
Project 1 Welcome to Maple I	Sep. 15
Project 2 Definition of Derivative	Sep.22
Project 3 Tangent Lines	Oct.6
Project 4 Home Mortgages	Oct.20
Project 5 New Newton's Method	Nov.10
Project 6 Powerline through the park	Dec.1
Project 7 The bungee Jump	Dec.15

Course grading

Grades will be based on a student's performance in the projects and their attendance in this class. The score needed to get the various grades are: A: 90%-100%; B: 80%-90%; C: 70%-80%; D: 60%-70%; F: 50-60%

Attendance policy

A student who misses two or more classes that he/she does not make up will have his/her grade lowered by one letter.

Withdrawal policy

If a student withdraws from a lab, the student must withdraw from the regular course-math2200. Students will initiate their own withdrawals on OASIS.

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. The open labs will begin next week on Monday. Room 308 in Grad Studies will be open from 10 am to 2 pm daily. Room 221 will be open Monday through Thursday evenings between 6 pm and 10 pm. These labs will be closed on Labor Day, September 2.
3. You can redo you project, you must turn in your redo project in a week after you get your graded one. I will take the better one as your project grade. Since you have only one chance to redo your project, please make sure that you fixed all the mistakes in the original one and do not make any new mistakes.
4. This course syllabus provides a general plan for the course; deviation may be necessary.