

MATH 2200L
Differential Calculus Lab (Spring 2003)

Course: MATH 2200L

Call #: 64-445

Instructor: Zubeyir CINKIR

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Office: 434F Boyd Grad. Stud. Bldg.

Office Hours: 12:10-13:00P W and F

Room: 1023-0220(Boyd Grad.S.)

Time: 11:15A-12:05P F

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Course Description:

The calculus lab has been designed to encourage 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 program for mathematics.

Materials:

'Mathematics 2200L-Differential Calculus Lab, 2002-2003'. Students can find this on the web address { HYPERLINK "http://www.math.uga.edu/calclab2200/" }, so don't have to purchase it. And 'Maple' is available on UCNS sites.

Projects:

Project 0.	Introduction to 2200L	Jan. 10
Project 1.	Welcome to Maple I	Jan. 17
Project 2.	Welcome to Maple II	Jan. 24
Project 3.	A Geometric Limit	Jan. 31- Feb 7
Project 4.	Definition of the Derivative	Feb. 14-21
Project 5.	Newton's Method	Feb. 28- Mar. 7
Project 6.	Bungee Jump	Mar. 14
Spring Break		Mar. 21
Quiz		Mar. 28
Project 7.	Implicit Plots and Derivatives	Apr. 4-11
Project 8.	Analysis of a Graph.	Apr 18-25

Course Grading:

Grades will be based on a student's performance in the 8 projects and 1 quiz. Each project will be worth 12 points and the quiz will be worth 4 points. Quiz grade will be multiplied by 2 for those students missing at most three classes.

A: 104-85; B: 84-75; C: 74-65; D: 64-50; F: 0-49

Attendance Policy:

A student who misses at most three classes will have bonus as much as his/her quiz result. Students will have opportunity to make up the classes they missed by attending any other Math 2200L class.

Withdrawal policy:

If a student withdraws from a lab, the student must withdraw the regular course. Students will initiate their own withdrawals on OASIS. Midpoint withdrawal deadline is March 7.

Project Report Preparation:

A student should follow the instructions, provided for each project. At each project, the name, the student ID # should be included at the very beginning. Then, a brief explanation presenting what the project will be about should be given. A student should also include explanations while writing his/her report, whenever necessary, rather than just showing the calculations done by Maple. Explanations should reveal the student's understanding of what he/she is doing. At the end, following the brief summary of the report, collaboration and academic honesty statement should be copied to the student's report and be signed by the student.

Collaboration and Academic Honesty: 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. **Plagiarism**, among other things, is prohibited. Above all, **UGA Academic Honesty Policy** applies. See the web page:

{ HYPERLINK "http://www.uga.edu/ovpi/academic_honesty/academic_honesty.htm" }

Additional Information:

* Students will have opportunity to work on their project at "Open Labs", where they can consult to a graduate T.A. for their questions.

* Lack of explanation and signature will result in lack of 5% +5% points for each report.

* To see what plagiarism is, you may have a look at the web page

{ HYPERLINK "<http://www.csubak.edu/ssric/Modules/Other/plagiarism.htm>" }

Good Luck!