

MATH 2200L
Differential Calculus Lab
(Fall 2003)

Course: MATH 2200L
Call: 32-426

Room: GSRC 1023-0220
Time: 04:40P- 05:30 P M

Instructors: Moustapha PEMY
Office: 427F Boyd Graduate Studies Bldg
Email: pemy@math.uga.edu
Office hours: 10:15A- 11:15 A WF.
Phone: (706) 542 2619

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

Projects

Date	due date
Aug. 18 Introduction to 2200L	
Aug .25 Welcome to Maple I & II	Sept 8
Sept.8 Limits and Spreadsheets in Maple.	Sept 22
Sept.22 Definition of the Derivative - Tangent Lines	Oct.6
Oct. 6 Newton's Method	Oct.20
Oct.20 Power Lines through the Park	Nov.3
Nov.3 Implicit Plots and Derivatives	Nov .17
Nov. 17 Analysis of a Graph	Dec.1
Dec. 8 Final Class	

Course grading

Grades will be based on a student's performance on 7 projects, and quizzes. The score needed to get the various grades are:

A: 80%-100%; B: 70%-79%; C: 60%-69%; D: 50%-59%; F: 0-49%.

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. The mathematics department will run Open Labs for more information see the 2200L homepage:
<http://www.math.uga.edu/calclab/>
3. This course syllabus provides a general plan for the course; deviation may be necessary.

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Materials

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Maple 8 is available on EITS sites.

Projects

Date	due date
Aug. 18 Introduction to 2200L	
Aug. 25 Welcome to Maple I & II	Sept 8
Sept. 8 Limits and Spreadsheets in Maple.	Sept 22
Sept. 22 Definition of the Derivative - Tangent Lines	Oct. 6
Oct. 6 Newton's Method	Oct. 20
Oct. 20 Power Lines through the Park	Nov. 3
Nov. 3 Implicit Plots and Derivatives	Nov. 17
Nov. 17 Analysis of a Graph	Dec. 1
Dec. 8 Final Class	

Course grading

Grades will be based on a student's performance on 7 projects, and quizzes. The score needed to get the various grades are:
A: 80%-100%; B: 70%-79%; C: 60%-69%; D: 50%-59%; F: 0-49%.

Withdrawal policy

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Additional information

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MATH 2200L
Differential Calculus Lab
(Fall 2003)

Course: MATH 2200L
Call: 01-962

Room: GSRC 1023-0220
Time: 08:00A- 08:50 A W

Instructors: Moustapha PEMY
Office: 427F Boyd Graduate Studies Bldg
Email: pemy@math.uga.edu
Office hours: 10:15- 11:15A WF.
Phone: (706) 542 2619

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

Projects

Date		due date
Aug. 20	Introduction to 2200L	
Aug. 27	Welcome to Maple I & II	Sept 10
Sept. 10	Limits and Spreadsheets in Maple.	Sept 24
Sept. 24	Definition of the Derivative - Tangent Lines	Oct. 8
Oct. 8	Newton's Method	Oct. 22
Oct. 22	Power Lines through the Park	Nov. 5
Nov. 5	Implicit Plots and Derivatives	Nov. 19
Nov. 19	Analysis of a Graph	Dec. 3

Course grading

Grades will be based on a student's performance on 7 projects, and quizzes. The score needed to get the various grades are:

A: 80%-100%; B: 70%-79%; C: 60%-69%; D: 50%-59%; F: 0-49.

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. The mathematics department will run Open Labs for more information see the 2200L homepage:
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MATH 2200L
Differential Calculus Lab
(Fall 2003)

Course: MATH 2200L
Call: 71-960

Room: GSRC 1023-0221
Time: 08:00A- 08:50 A F

Instructors: Moustapha PEMY
Office: 427F Boyd Graduate Studies Bldg
Email: pemy@math.uga.edu
Office hours: 10:15- 11:15 A W.F
Phone: (706) 542 2619

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

Projects

Date		due date
Aug. 22	Introduction to 2200L	
Aug .29	Welcome to Maple I & II	Sept. 12
Sept.12	Limits and Spreadsheets in Maple.	Sept. 26
Sept.26	Definition of the Derivative - Tangent Lines	Oct. 10
Oct. 10	Newton's Method	Oct. 24
Oct.24	Power Lines through the Park	Nov.14
Nov.14	Analysis of a Graph	Dec. 3

Course grading

Grades will be based on a student's performance on 6 projects, and quizzes. The score needed to get the various grades are:

A: 80%-100%; B: 70%-79%; C: 60%-69%; D: 50%-59%; F: 0-49.

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.
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