

**INSTRUCTOR:** Vikenti Gorokhovski

**OFFICE:** 643 Boyd Graduate Studies

**EMAIL:** vikenti@math.uga.edu

**OFFICE HOURS:** Tu & Th: 2-4:30pm

You can also meet me by appointment.

### OBJECTIVES FOR THE COURSE

Reinforcing some main notions of calculus and their applications.

Learning Maple as a tool to solve various mathematical problems in studies and real life work work.

Enhancing the skill of presenting and reporting research.

### COURSE ASSIGNMENTS

You will have 7 projects to work on and write a report on each of them.

(You can access them from any computer on webside page: <http://www.math.uga.edu/calclab2200/>)

#	Projects	Start	Due Day	Result
1	<i>Studying Maple (Welcome To Maple I &amp;II, Introduction)</i>	01.08	01.15	Test (30 min)
2	<i>Introduction to Limits</i>	01.22	01.29	Report
3	<i>Limits with Spreadsheets</i>	02.05	02.12	Report
4	<i>Definition of the Derivative</i>	02.12	02.19	Report
5	<i>Home Mortgages</i>	02.26	03.04	Report
6	<i>Newton Method</i>	03.18	04.01	Report
7	<i>Implicit Plots and Derivatives</i>	04.08	04.22	Report
8	Redoing a Project and Bonus Project: <i>Parametric Curves</i>	04.29	04.29	Report

There will be no tests or final exam. Your grade in the course will reflect your performance in the projects. The highest grade of the project is 100 points.

**Late returns are penalized by taking off 5 points per day.**

**Only one project may be redone during the last class.**

The bonus project can be done to enhance one's standing.

Although some work may be done out of class, most of each project **must** be worked in class. No credit will be assign for projects done entirely out of class.

### ATTENDANCE POLICY

A student may miss fewer than two classes without penalty. ***A student who misses three or more classes will have his/her grade lowered by one letter grade.***

Although some work may be done out of class, most of each project **must** be worked in class.

### ACADEMIC HONESTY

*All students are responsible for maintaining the highest standards of honesty and integrity in every phase of their academic careers. The penalties for academic dishonesty are severe and ignorance is not an acceptable defense*

The syllabus provides a general plan. Changes in the project's topics and dates are possible.