

Mathematics 2401 C1-C5  
Spring 2000  
A. D. Andrew  
15 December 1999

**1. General Information.** This information sheet, as well as homework and computer assignments, are available on the web at [www.math.gatech.edu/~andrew](http://www.math.gatech.edu/~andrew). The School of Mathematics has prepared additional resources for Math 2401, including sample tests, Maple worksheets and projects, and supplementary notes. These may be found at [www.math.gatech.edu/~bourbaki/math2401/html](http://www.math.gatech.edu/~bourbaki/math2401/html) or may be reached from my web page.

This course meets for lectures on Tuesdays and Thursdays from 9:35 - 10:55, and in recitation sections on Mondays and Wednesdays from 10:05-10:55. You must attend the correct recitation section.

My office is 164 Skiles Building, my office phone is 404-894-2719, and my e-mail address is [andrew@math.gatech.edu](mailto:andrew@math.gatech.edu). Office hours are Tuesday 2:00 - 3:00, Wednesday 11:30 - 12:30, and Thursday 2:00 - 3:00, or by appointment.

**2. Text and Material.** The text for this course is Salas, Hille, and Etgen, *Calculus - one and several variables, eighth edition*. The material for this course is in Chapter 13 (Vector calculus), Chapter 14 (Functions of several variables), and Chapter 15 (Gradients; Extreme Values; Differentials), Chapter 16 (Double and Triple Integrals), and Chapter 17 (Line Integrals and Surface Integrals). We will also briefly review parts of Chapter 12.

**3. Computer Projects.** This section of Math 2401 will be enhanced with two computer assignments using the Computer Algebra System *Maple*. I urge you to use *Maple* not only on the computer assignments, but in your other course work as well.

General guidelines for projects are as follows

- a. You are to do the computer projects in teams of two or three students.
- b. The teams are to work independently of each other. You may not consult with other teams, but please feel free to ask questions of either Professor Andrew or your teaching assistant.
- c. The members of each team **must be from the same recitation section**.
- d. You should do each project with a different team of students.
- e. Each member of a team will receive the same grade for the project. Be sure every member participates fully in the work.
- f. Each team should turn in a neat, well-written solution or report, explaining their work. The report should be written so that someone else can read and understand it. The report must include a statement, signed by each member of the group, stating the contribution of each team member.

**4. Homework and Tests.** Homework will be assigned, and will be discussed in the recitation sections. I strongly urge you to do all of the assigned problems, as well as additional problems. Problems from the homework assignments will be collected at some recitation meetings and graded. The problems to be collected are marked on the assignment sheet. Late homework problems will not be accepted, but the lowest score will be dropped.

In addition to the two computer assignments and the graded homework, there will be occasional quizzes, three hour tests, and a final exam. Quiz dates are indicated on the homework assignment sheet. Dates for hour tests and computer projects are

Hour Test 1	Monday 7 February
Hour Test 2	Monday 28 February
Hour Test 3	Monday 17 April
Computer Assignment 1	Wednesday 1 March
Computer Assignment 2	Wednesday 19 April

I discourage make-ups. There will be no make-up quizzes, but the lowest quiz score will be dropped. Any student with a valid reason for missing an exam **must obtain permission, from Professor Andrew, not from a Teaching Assistant, well before the examinations date.** Please let Professor Andrew know of any conflicts **immediately.**

**5. Honor Code.** Please review the Georgia Tech Honor Code. All examinations in this course are closed book. No notes may be used, but calculators are permitted. Guidelines for collaborative work on computer projects appear above. You must work independently on the homework problems that are collected for grading.

Sample examinations are posted on the Math 2401 web page at [www.math.gatech.edu/~bourbaki/math2401/html](http://www.math.gatech.edu/~bourbaki/math2401/html) and on my web page at [www.math.gatech.edu/~andrew](http://www.math.gatech.edu/~andrew).

**6. Grading.** The hour tests, computer assignments, and final examination will be counted with the following weights.

Recitation score (from TA)	2%
Homework	4% (lowest score dropped)
Quizzes	4% (lowest score dropped)
Hour Tests	45% (15% each test)
Computer Assignments	10%
Final Examination	35%

Letter grades will be based on the overall average at the end of the quarter, according to the scheme

90	x	A
80	x	at least B
70	x	at least C
60	x	at least D
x < 50		F

That is, I may "curve up", but scores below 50 will not be curved up to pass.

Students with questions regarding the grading of a test must return the test to Prof. Andrew (**not** to the Teaching Assistant), with a note **on a separate piece of paper** explaining the complaint, **within one week of the date the test was given.**