

# MATH 2500: Multivariable Calculus

## Spring 2010

**Instructor:** William Graham

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**Office hours:** To be announced.

**Meeting times and locations:** TR 12:30-1:45, Room 222, Boyd Graduate Studies Research Center

**Text:** Hass, Weir, and Thomas, *University Calculus*

**Prerequisites:** Math 2250 and 2260, or the equivalent.

**Material covered:** This course covers vectors and differential and integral calculus of several variables, culminating in the higher dimensional version(s) of the Fundamental Theorem of Calculus. This material corresponds to most of Chapters 10-14 of the text. However, Chapter 10 will only be reviewed, as this material is part of Math 2260.

**Course Objectives:** The objectives include understanding the concepts of multivariable calculus and applying these concepts to solve problems.

**Homework:** Homework will be assigned almost every class. This homework will not be graded, but approximately every week (if there is not a test) there will be a quiz, which will usually be similar or identical to problems from the homework. There is no substitute for practice and in order to do well on the tests and quizzes it is essential that you do the homework!

**Grading:** Your grade will be based on midterm tests, quizzes and the final exam. No calculators are allowed during tests and quizzes.

Your grade will be calculated as follows:

Quizzes: 20 %

2 Midterm Tests: 45 %

Comprehensive Final Exam: 35 %

There will be 2 midterms, which will occur in approximately weeks 5 and 10 of the semester.

**Final Exam:** Tuesday, May 4, 12:00-3:00 pm (in our usual meeting place)

As a University of Georgia student, you have agreed to abide by the University's academic honesty policy, "A Culture of Honesty," and the Student Honor Code. All academic work must meet the standards described in "A Culture of Honesty" found at [www.uga.edu/honesty](http://www.uga.edu/honesty). Lack of knowledge of the academic honesty policy is not a reasonable explanation for a violation. Questions related to course assignments and the academic honesty policy should be directed to the instructor.

In this course, academic honesty means that tests and quizzes should be entirely your own work, done without any assistance from others or from books or notes.

**Other resources:** The math department will run calculus study halls Monday-Thursday 3:30-5:30 in Boyd.

Free tutoring is available from the Division of Academic Enhancement at Milledge Hall (behind Memorial Hall); 542-7575. If you have any questions, please go to Milledge Hall or visit

[www.uga.edu/dae](http://www.uga.edu/dae)

The math department maintains a list of tutors who (for a fee) are available for help. This list is available at:

[math.uga.edu/math/undergraduate/student\\_services.html](http://math.uga.edu/math/undergraduate/student_services.html)

The course syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary.