

# Syllabus

## Math 2250: Calculus I for Science and Engineering

### Call No. 59-961

**Term:** Fall 2007

**Scheduled class meetings:** 1:25-2:15 MWF, room C114 Life Sciences Building;  
9:30-10:45 Thursday, room 322 Boyd Graduate Studies Building

**Instructor:** David J. Prager

**Instructor's contact information:**

Office: 438 Boyd Graduate Studies Building

Office hours: 12:20-1:15 M,F; 10:00-10:45 T; other times by appointment

Webpage: <http://www.math.uga.edu/pragerdj/>

E-Mail: [pragerdj@uga.edu](mailto:pragerdj@uga.edu)

Phone: (706) 542-2593

**Required textbook:**

Title: *University Calculus*

Authors: Joel Hass, Maurice D. Weir, and George B. Thomas, Jr.

Publisher: Pearson Addison Wesley

ISBN Number: 0-321-35014-6

**Purpose:** To understand and apply the basic concepts of Calculus including limits, derivatives, and integrals.

**Prerequisite:** MATH 1113 (Precalculus), or equivalent.

**Contents:** The contents of this course will be roughly as follows:

Limits.....	2-3 weeks
Differentiation.....	4-5 weeks
Applications of Derivatives.....	5-6 weeks
Integration.....	3-4 weeks

**Grade determination:** The students final grade will be calculated as follows:

Homework.....	10%
Writing Assignment.....	7%
3 Mid-term exams (evenly weighted).....	50%
Comprehensive final exam.....	33%
Total.....	100%

**Attendance:** Students are allowed no more than 5 absences including both excused and unexcused absences. On the sixth absence a student may be withdrawn from the course with a grade of W or WF.

**Homework:** Written homework will be assigned (via my webpage) on most days and collected (usually) the following class period. Homework will be graded for both accuracy and completeness. No late homework will be accepted. **EXCEPTION:** each student will be allowed to turn in two homework assignments up to one class meeting late.

**Writing Assignment:** There will be a 3-5 page writing assignment that will require you to solve a fairly complicated calculus problem and type your solution. Grading will be based on both mathematical content and presentation. The assignment will be made the second half of the semester and due 2 weeks after it is assigned.

**Mid-term exams:** Three mid-term exams will be given during our regular class meeting time. Approximate dates for exams are September 7, October 5, and November 14. I will announce the date of the next mid-term exam in class at least one week before the exam. Material covered after the third mid-term exam will be emphasized on the final exam.

**Final exam:** The final exam is comprehensive and scheduled for Friday, December 14 from 12:00-3:00 pm, room TBA.

**Academic dishonesty:** Academic dishonesty of any kind will not be tolerated. All academic work must meet the standards contained in *A Culture of Honesty*. Each student is responsible for knowing those standards before performing academic work.

**Accommodations for students with disability or health issues:** Students with a disability or health-related issue who need a class accommodation should make an appointment to speak with the instructor as soon as possible.

**Disclaimer:** The course syllabus is a general plan for the course; deviation announced to the class by the instructor may be necessary.

**Suggestions for success in this class:**

- This is a 4 credit hour class, which means that it will require more of your time and count more in your GPA than a 3 credit hour class.
- Attend and participate in all scheduled class meetings. This is your best chance to ask questions, and it is my best chance to gauge which areas are posing the most difficulty.
- An average student will need to spend 2-3 hours each night doing homework. This is an average: some will need to spend more, and some will get by with less. The key is not how much time you spend, but how well you can do the problems.
- Keep current with the material. Do homework problems on the night on which they are assigned. This course moves fast; if you get behind, you are unlikely to catch up.
- Get assistance when you need it. My office hours, departmental help sessions, and tutors are available to give you the help you need.