Math 2250 Calculus I for Science and Engineering

Fall 2009

Instructor: Tin Kong
Office: 427B Boyd
Phone: 542-2641
Office Hours: 10:45-11:30am TR
9:55-10:30am W
at 327 Physics

Call number: 04-460
Time: 9:30A-10:45A TR
Room: 304 Boyd
Email: eLC
Recitation: 9:05A-9:55A W

Textbook: University Calculus, by Hass, Weir & Thomas, 2007, Pearson Addison Wesley.
Pre-requisite: Math 1113 Pre-Calculus

Description: Limits, derivatives, differentiation of algebraic and transcendental functions; linear approximation, curve sketching, optimization, indeterminate forms. The integral, Fundamental Theorem of Calculus, areas. Emphasis on science and engineering applications.

Objectives: This is an introductory course to differential calculus and its applications. Topics include definition of derivative, differentiation rules, solving word problems, curve sketching, some theoretical infrastructure of calculus and integration. Homework is the most important part of the course. There is no way to learn Calculus without doing lots of homework problems. You have to attend the recitation section each week. Homework problems will be gone over.

Outline:
Chapter 2: Limits and Continuity
Chapter 3: Differentiation
Chapter 4: Applications of Derivatives
Chapter 5: Integration

Homework: Homework will be assigned on WebWork. You can log on to http://webwork.math.uga.edu/ with your UGA Myid to do your homework. You get full credit for a homework problem, no matter how many times you try it, as long as you eventually solve it correctly.

Tentative test dates: Test 1 Sep 24 2009
Test 2 Oct 29 2009

Grading: Homework: 5%, Tests: 50%, Final exam: 40%, Quizzes: 5%
A 92-100 A- 89-91 B+ 87-88 B 82-86 B- 79-81
C+ 77-78 C 72-76 C- 69-71 D 60-68 F <60

Student Services: Department of Mathematics provides a free tutoring service (Study Hall) which is open Monday through Thursday in Boyd Graduate Studies Bldg., from

3:30-5:30pm. Details can be found at
http://www.math.uga.edu/about_us/student_services.html

Attendance Policy: Students are allowed for no more than THREE unexcused absences. On the Fourth unexcused absence, a student may be withdrawn from the class with a grade W or WF before midpoint. After midpoint, FOUR points will be deducted from the total grade and ONE point for each further unexcused absence. For excused absences, verification may be required.

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

Academic Honesty: *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. 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.*

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