

SPRING 2005  
Call 12762

MATH 2417.001  
CALCULUS I

MWF 12m -12:50pm  
GR 3.420

INSTRUCTOR: Dr. Ed Stone                      EC 3.202                      972-883-2637

HOURS:                      T 12:30 - 1:30 pm; W 6:15 - 6:45 pm; and by appointment

OBJECTIVE:                      To provide an understanding of the rigorous foundations of calculus, skill in the techniques of differentiation and integration, and facility in applying the calculus to scientific, engineering, and geometrical problems.

PREPARATION: Math 2312, Precalculus, or its equivalent, is a prerequisite.

TEXT:                      *Calculus*, Seventh Edition, by Larson, Hostetler & Edwards. A student solution manual is available in the bookstore

WEB:                      The utility WebCT, accessible from a UTD computer lab or from your own web connection, will be an essential communication tool for this course. The URL is <http://webct.utdallas.edu>; this can also be accessed from the UTD home page. To log on, use your unix system ID and password; if you don't know this, obtain it promptly from the UTD computer lab. Your quiz and test grades will be posted as soon as they are ready, and your average will be updated once a week. You can download this syllabus and a file of homework assignments in MS Word (.doc). Review materials and other course notes can be downloaded using the free Acrobat Reader (.pdf). Updates of cutoffs, times, and corrections can be received via email from your TA and instructor.

CALCULATOR: A scientific calculator is recommended. Calculators having alphabetic or graphic displays, or stored program capacity, are **not** permitted, and possession of such on an exam or quiz is an academic integrity infraction.

CONDUCT:                      Students are expected to attend all lectures and problem sessions and to avoid talking or interfering with the attention of others. All exams and quizzes are closed-book and without notes. Students are expected to take the examinations at the announced time and place, to maintain silence, and to avoid any observation of other papers. Possession of prohibited items on an exam or quiz is an **academic integrity infraction**, and will **not** be tolerated.

ABSENCE:                      Anyone who has a religious conflict with a scheduled exam time should see me immediately. Students absent on UTD sponsored activities must present, a week in advance, a letter from the faculty sponsor verifying the absence and committing to administer the exam at the appropriate time. Report and verify absences occasioned by an emergency as soon as possible – if mandatory drops are exceeded, a make-up opportunity will be provided.

**SECTIONS:** You are in Lecture Section **001**, Call 12762, meeting MWF at 12 – 12:50 pm in GR 3.420. Dates and times on this page apply to this section only. You must enroll in one of the following TA conducted Problem Sections:  
2417.**301**, Call 12765, T 11am - 12:50pm, GR 3.302, Mr. Castro;  
2417.**303**, Call 12767, F 3 - 4:50pm, CB 1.124, Ms. Weiss;  
2417.**305**, Call 12769, R 2 - 3:50pm, GR 3.302, Mr. Tseng.  
You must attend only the correct section or your quiz scores will not be credited.

**HOMEWORK:** The accompanying list assigns homework problems by textbook section in the order in which the sections will be covered. These are automatically assigned when the section is concluded in lecture. Homework is not collected, but problem sections will discuss difficulties and solution techniques for the entire week. Work these problems **as soon as** the corresponding section is covered in lecture; **do not wait for the weekly problem section.**

**QUIZZES:** In 10 of the problem sessions a 25 point quiz lasting about 20 min will be given. A survey of essential precalculus material is available on WebCT. Quizzes may include topics from this list at any time. **NO MAKEUPS WILL BE GIVEN.** Instead the two lowest quiz scores will be **dropped** in computing the quiz average.

There are no quizzes the week of an exam; instead, problem section time is used for additional preparation. Students in the Friday section Feb 11 and Apr 15 may attend the Tuesday or Thursday section at their option.

**EXAMS:** Three exams will be given on **Friday** Feb 11, **Monday** Mar 21, and **Friday** Apr 15. These will be in **CN 1.112**, not in the lecture classroom. An official picture ID (Comet card or Texas DL) will be required; please have this displayed until checked.

On all problems, organized work must be shown; no credit attaches merely to the final answer. Scores will be adjusted to reflect letter-grade performance. **MAKEUPS WILL NOT BE GIVEN.** Instead, the **lowest exam grade will be replaced by the quiz average** if it is higher. The graded exams will be returned and discussed in problem section.

**FINAL EXAM:** A comprehensive final is required. It will be given **11:00 am WEDNESDAY April 27** in **CN 1.112**. Final Exam papers are kept on file for one year and then destroyed. You may come by the office during that year to review your exam; it will not be returned.

**GRADES:** The EXAM scores and QUIZ average make up four scores of 100 each. The **LOWEST** score will be dropped, giving a course total of 300 points. The **FINAL** will count 200 points. These will be combined to get a final term score. There will be no rounding. A score of 60 % earns the lowest passing grade; each additional 3 1/3 percent advances one step through the letter grade

scale D-, D, D+, C-, C, C+, B-, B, B+, A-, A, A+. Term grades will be posted on WebCT as soon as they are available.

A grade of INCOMPLETE may be given **only** if (1) performance is currently satisfactory, (2) student is **not** eligible for a W, and (3) completion of the term is prevented by **unavoidable** circumstances. Your responsibility is to notify the instructor and document the circumstances. The grade must be made up in the subsequent term.

WEEK #	DATES	PROBLEM SECTION ACTIVITIES
1	11,13,14 Jan	No Quiz
2	28,20,21 Jan	Quiz 1
3	25,27,28 Jan	Quiz 2
4	01,03,04 Feb	Quiz 3
5	08,10,11 Feb	No Quiz this week; Exam Friday Feb 11
6	15,17,18 Feb	Quiz 4
7	22,24,25 Feb	Quiz 5
8	01,03,04 Mar	Quiz 6
9	15,17,18 Mar	No Quiz this week; Exam Monday Mar 21
10	22,24,25 Mar	Quiz 7
11	29,30 Mar; 01 Apr	Quiz 8
12	05,07,08 Apr	Quiz 9
13	12,14,15 Apr	No Quiz this week; Exam Friday Apr 15
14	19,21,22 Apr	Quiz 10
15	25 Apr	Last Class
Final	27 April	11 am Wednesday in CN 1.112.

**HELP:**

It is essential to attend problem section and ask focussed questions of your TA. You are urged to get help whenever any difficulty arises; do not wait. All TAs are available to everyone; email addresses and a schedule of office hours will be provided. I am available by appointment (see me after class or phone me) as well as at the office hours given above. Help is also available from the Math Lab in MC2.408. Walk-in hours are MTWR 10-8; F 10-6; S 10-2. Individual appointments can be made by phoning 883-6707.