

SPRING 2005
Call 12780

MATH 2419.001
CALCULUS II

MWF 10 – 10:50 am
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 series convergence and approximation, plane and space curves, and of vectors, partial differentiation and multiple integration, and their applications in the sciences.

PREPARATION: Math 2417, Calculus I, or its equivalent, is a prerequisite. The usual first semester calculus course given elsewhere is **not** satisfactory preparation.

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 examinations at the time and place announced, to maintain silence, and to avoid observation of other papers. Cell phones and pagers must be turned off and packed away. 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. Absences occasioned by an emergency should present verification as soon as possible – if mandatory drops are exceeded, a make-up opportunity will be provided.

- SECTIONS:** You are in Lecture Section **001**, Call 12780, meeting MWF at 10 – 10:50 am in GR 3.420. Dates and times on this page apply to this section only. You **must** be enrolled in one of the following TA conducted Problem Sections: 2419.**301**, Call 12784, T 11am - 12:50 pm, CB 1.120, Mr. Pond; 2419.**303**, Call 12786, W 3 - 4:50pm, CB 1.118, Mr. Tseng; 2419.**305**, Call 12788, R 2 - 3:50pm, SOM 2.722, Mr. Costa. You must attend only the correct section or your quiz scores will not be credited.
- HOMEWORK:** The file **homework.doc** on WebCT 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. Work these problems **as soon as** the corresponding section is covered in lecture; **do not wait for the weekly problem section**. Homework is not collected, but problem sections will discuss difficulties and solution techniques for the entire week. Attending and participating in these discussions is a major part of mastering the material in this course.
- QUIZZES:** In 10 of the problem sessions a 25 point quiz lasting about 20 min will be given. There is no quiz the first week or in exam weeks. A survey of topics from Calculus I 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.
- 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:** The Final Exam will be given as scheduled **8 am FRIDAY April 27**, in room **CN 1.112**. Final Exams are comprehensive. 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 $3 \frac{1}{3}$ 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 ACTIVITY
1	11,12,13 Jan	No Quiz
2	18,19,20 Jan	Quiz 1
3	25,26,27 Jan	Quiz 2
4	01,02,03 Feb	Quiz 3
5	8,9,10 Feb	No Quiz this week; Exam Friday Feb 11
6	15,16,17 Feb	Quiz 4
7	22,23,24 Feb	Quiz 5
8	01,02,03 Mar	Quiz 6
9	15,16,17 Mar	No Quiz this week; Exam Monday Mar 21.
10	22,23,24 Mar	Quiz 7
11	29,30,31 Mar	Quiz 8
12	05,06,07 Apr	Quiz 9
13	12,13,14 Apr	No Quiz this week; Exam Friday Apr 15.
14	19,20,21 Apr	Quiz 10
15	25 Apr	Last Class
Final	29 April	8 am Friday in CN 1.112.

HELP:

It is essential to attend problem section and ask focused 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.