MATH 7B COURSE SYLLABUS  
Fall 2004

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MATERIAL: Chapters 5-9 and appendix H

DESCRIPTION: In this 2nd course in calculus we will examine functions, integration and applications including volume, work, surface area and ordinary differential equations. Infinite series, polar coordinates and an introduction to vectors and vector functions will be included.

PREREQUISITES: Successful completion of math 7A or equivalent YOU MUST MEET THIS REQUIREMENT

PARTICIPATION: Required and GRADED accounting for 10% of your final grade. Time missed from class will be recorded and this grade will be determined as follows: A = less than 100 minutes missed. B = less 200 minutes missed. C = less than 300 minutes missed. D = less than 400 minutes missed. F = more than 400 minutes of class time (8 class periods) missed. NOTE: Incompletes will not be considered except for major emergencies.

HOMEWORK: Required and Graded! Frequent quizzes will cover the previous evening’s assignment. Each problem must be worked out completely and all work shown. If you do not practice what you think you have learned, you really haven’t learned it. It is your responsibility as a serious student to complete daily homework assignments, which will be collected. Homework must be NEAT and ON-TIME. Leave vertical space between each problem and print neatly and clearly. Use lined paper and write no larger than the space between lines. You are REQUIRED to use graph paper when graphs are used. As usual your name should always appear in the upper right corner of each sheet. Use only on ONE SIDE of each sheet of paper.

OTHER STUFF: Each student must have a graphing calculator to use in class and on tests.

ASSESSMENT: There will be two midterms and a final. The final exam will be a common final taken by all calculus 7A classes. See below for date and time. I do not give make-up tests. Several projects/group activities may be assigned and evaluated. Quizzes on homework will be given regularly. Quiz and Project/activity points will be combined with homework. The final exam is a common final and will count 25% of your grade.

GRADING: Homework/Quizzes = 25%  
2 Midterms (@ 20%) = 40%  
Participation = 10%  
Final Exam = 25%  
TOTAL = 100%

Course Grade: 90-100% = A  
80-89% = B  
70-79% = C  
60-69% = D  
<60% = F

EXAM SCHEDULE (tentative): Midterm #1: October 1st, Midterm #2: November 12th,  
COMMON FINAL: Tuesday, December 14th, 8:00-9:50 AM -- location TBA