

Fall 2002

MW 5:00 - 7:20pm

MATHEMATICS - CALCULUS 185
COURSE OVERVIEW

Text	Single Variable Calculus, 4 th edition, by James Stewart
Instructor	Tan Kim Nguyen
Phone	(714) - 775 5378
E-mail	nktan20@yahoo.com
Web site	http://www.geocities.com/nktan20/TanNguyen.html
Office hours	T 5:00 - 6:00pm; Th 5:00 - 7:00pm in the Math Study Center L-204, phone: (714) - 564 6677.
Required materials	Textbook, graphing calculator (TI-85 or TI-86).

Math 185 is the second course in the Math / Science / Engineering Calculus sequence. **Topics** to be covered include fundamental concepts and techniques on various subjects of mathematics such as transcendental functions (chapter 7), integration and its applications (chapter 8-9), differential equations (chapter 10), polar coordinates (chapter 11 - critical subject), and infinite sequence and series (chapter 12). Calculus I is **prerequisite** for taking Math 185; you need to have developed facility at working with transcendental functions (inverse trigonometric functions, logarithmic and exponential functions) and you need to be comfortable with the use of your graphing calculator.

Attendance will be taken at each class meeting. If you miss 4 consecutive classes, or a total of 6 classes, you will be dropped from the class. The **last day to drop** the class and receive a "W" grade is **Nov 15, 2002**. If you are still enrolled in this class after that day and do not complete the class, you will receive a grade based on your total accumulated points according to the scale below.

The **tentative lecture schedule** for this semester is on the next page. Class lectures will make more sense to you if you have read the material before the date on the schedule. Plan also to reread each section after it is discussed in class.

There will be **4 tests** given in class on the dates indicated on the schedule on the next page. If you miss a class test with a **reasonable excuse with verifiable emergency**, you might take a **make-up test** from the Test Proctor (L221, phone 564-6148 for hours). **Make-up tests will be worth a maximum of 80 points and must be taken within one week of the original class test.** Everyone will be required to take a comprehensive final examination at the end of the course.

There will be several opportunities for collaborative activities in class and on assignments, however **collaborating on class tests will not be tolerated.** Anyone found to be seeking help from or providing help to another student on a test will receive a zero on that test and will lose the privilege of taking a make-up test. An "Academic Misconduct Incident Report" may also be files with the Division Dean and Dean of Students.

Homework problems from the text will be assigned at each class and should be worked by the next class meeting. You would be well advised to consult books on the subjects and to seek help from tutors; however, **plagiarism is prohibited.** Homework will be intentionally collected and checked on Mondays.




Final grades will be made up of the following:

4 tests	4x150 points
Homework	75 points
Quizzes/Class-work	75 points
<u>Final exam</u>	<u>250 points</u>
Total	1000 points

Your grade will be assigned according to the following scale:

A: 900 - 1000	D: 600 - 699
B: 800 - 899	F: 0 - 599
C: 700 - 799	

Names and phones of three classmates:

1. _____  _____
2. _____  _____
3. _____  _____

TENTATIVE LECTURE SCHEDULE

HOMEWORK ASSIGNMENTS

(work on odd numbered problems, except "eoo" which means "every other odd", ie., 1, 5, 9, 13, 17, 21, 25, 29,...)

Date	Section	Page	Problems
08/26	7.1	407	3 - 45
08/28	7.2	416	1 - 29, 33, 35, 39 - 53, 57, 61, 63
	7.3	428	1 - 47, 51 - 63, 67, 77
	7.4	435	5 - 29 eoo, 33 - 37, 41 - 57 eoo, 65 - 77
09/02	Labor Day		
09/04	7.5	469	1 - 9, 13, 19, 23, 25, 31, 37, 45, 49, 59 - 69, 73
	7.6 Quiz#1	478	1 - 7, 11, 15, 21, 23a, c, e, 33-49 eoo, 55, 59
09/09	7.7	485	1, 3, 5, 65 eoo
	8.1	503	1 - 11, 15, 17, 21, 29, 41, 49, 51
09/11	Review and Test on chapter 7		
09/16	8.2	510	3 - 43 eoo, 53, 59, 61
	8.3	517	3, 5, 11, 17, 23, 25, 29, 35
09/18	8.4	524	1 - 13, 17 - 49 eoo, 51, 59, 61
09/23	8.5	533	1 - 73 eoo
	8.6	539	1 - 29, 35 - 41
09/25	8.7 Quiz#2	546	1, 5, 7, 9, 11, 21, 23, 25 a, e, 31, 33
09/30	8.8	557	1 - 41 eoo, 49 - 61
10/02	9.1	575	1, 3, 7, 9, 11, 31, 33, 35
	9.2	582	3, 5, 9, 13, 17, 33, 35
10/07	Review and Test on chapter 8 & 9		
10/09	10.1	615	1, 3, 7, 9
	10.3	629	, 21 a, b, 23, 25, 31, 33
10/14	10.4	637	1 - 17 eoo
	10.6	656	5 - 19 eoo
10/16	11.1	675	1 - 21, 22, 23, 29, 39
	11.2 Quiz#3	682	1 - 27, 31, 33
10/21	11.3	689	1, 5, 7, 9, 13, 15, 21, 23, 29

10/23	11.4	694	1 - 51, 56, 57 - 67, 71, 75, 77
10/28	11.5	704	1, 5, 7, 11, 13, 19, 21, 23, 27, 33 - 49 eoo
10/30	11.6	709	1, 5, 9, 11, 15, 17, 19, 23, 25 - 41 eoo
11/04	11.7	716	1 - 21
	12.1	727	1 - 43, 51 - 57
11/06	Review and Test on chapter 10 & 11		
11/11	Veterans Day		
11/13	12.2	738	1, 5, 9, 11- 33, 39 - 45, 57, 62, 65
11/18	12.3	748	1, 3, 5, 11, 15, 19, 21, 25, 31
11/20	12.4	755	1 - 35, 39
	12.5	760	1 - 29
11/25	12.6 Quiz#4	765	1 - 35
	12.7	772	1 - 37
11/27	12.8	774	1 - 29
	12.9	779	1 - 31
12/02	12.10 Quiz#5	785	1, 3, 5, 9, 13, 15, 17 - 49 eoo, 51 - 57
12/04	12.11	796	1 - 7, 11, 15
	12.12	800	1 - 21 eoo, 23, 25, 27
12/09	Test on chapter 12		
12/11	Review for final		
12/16	Final Exam		

📖 There is no substitution for effective study. You have your most valuable resource with you at all times - your mind.

