

SYLLABUS - FALL 2003

COURSE: M215 Calculus I

INSTRUCTOR: Dr. C. W. Baker OFFICE: LF 222 PHONE: 941-2272 EMAIL: cbaker@ius.edu

TEXT: *Calculus*, 5th ed., by James Stewart

CALCULATOR: The TI-86 calculator is required. Use of more advanced calculators such as the TI-89 or TI-92 is not allowed.

PREREQUISITE: M125 Pre-calculus Mathematics and M126 Trigonometric Functions or equivalent high school courses in algebra and trigonometry.

GRADING SCALE:

90-100%	A
80-89%	B
70-79%	C
60-69%	D
Below 60%	F

There will be four examinations (100 points each) and a comprehensive final examination (200 points). Home work will be assigned daily. Each assignment that is taken up will count 3 points.

Late homework may not be accepted and make-up examinations may not be given.

The following is a tentative schedule of sections, assignments, and examinations.

<u>DAY</u>	<u>SECTIONS</u>	<u>PROBLEMS</u>
Aug. 25	2.1, 2.2	p. 79: 1,2,3,4,5,7,8,9,12,23,24,26,27,28
27	2.3	p. 89: 1,2,3,4,11,12,13,17,18,21,22,24,25,27
29	2.4	p.100: 15-21
Sept. 03	2.5	
05	2.5	p.110: 3,4,10,11,12,14,15,16,17,19,20,21,23,35,36,45,47,48
08	2.6	
10	3.1	p.132: 7,8,9,13,14,15,16,19,21,23,25,26
12	3.2	p.142: 1,3,5,6,7,9,20,22,23,25

	15	EXAM: 2.1-3.1 (100 points.)	
	17	3.3	p.154: 1,3,5,6,8,10,11,14,19,23, 27- 31,34,35,36,37,51,52
	19	3.4	p.166: 7,10,14,15,20,21
	22	3.5	p.174: 1,2,3,5,9,10,11,12,13,14,16, 17,19,21,22,23,25,26,27
	24	3.6	p.181: 1,3,4,6,7,9,10,17,18,19,20, 23,24,27,29,32,35,37,41,45, 46
	26	3.7	p.188: 5-8,10,13,18,20,25,26
	29	3.8	p.195: 5-9,13,15,17,19,23,24,29,32
Oct.	01	3.9	p.202: 1,7,8,9,12,15,16,23,27,31
	03	3.10	p.210: 15,16,17,21,23,24,25,26,32, 33,35
	06	4.1	p.229: 1,3,4,5,31,32,33,36,45,48,49, 51,52,58
	08	EXAM: 3.2-3.10 (100 points)	
	10	4.2	p.238: 1,2,5,7,11,12,13
	13	4.3	
	15	4.3	p.247: 1,2,5,7,11,13,17,23-26
	17	4.4	p.260: 1,3,7,8,10,11,12,18,21,35 36,51
	20	4.6	p.277: 1,2,4,5,7,8,12
	22	4.7	p.283: 5,6,10,11,12,22,26,29,33
	24	4.10	p.305: 1,3,4,5,6,13,14,23,24,27,28, 33,34,53,55,56
	27	5.1	p.324: 3-6
	29	EXAM: Chapter 4 (100 points)	
	31	5.2	

Nov.	03	5.2	p.336: 1,2,3,5,9,11,12,14,17,18,20, 35-42,47-49
	05	5.3	p.347: 7-12,19,22-28,33,35,36
	07	5.4	p.356: 5,7,9,12,13,17,20,22,23,26, 30-33, 35,41,53,54,58
	10	5.5	p.365:1,3,4,8,9,10,12,13,14,16,17, 19-23,25,27,39,40,45,47,48
	12	6.1	p.380: 1,2,3,5,7,8,11,13,14,22
	14	6.2	p.391: 1,4,5,7,9,11,12,16,54,55,57, 58
	17	6.3	p.396: 3,4,5,9,10,11,15,17,19
	19	EXAM: 5.1-6.2 (100 points)	
	21	6.4	p.401: 3,7,8,13,15,20
	24	7.1	p.420: 25,27,28,29,31
Dec.	01	7.2*	p.458: 9,11,13-17,23,26, 41,42,55, 56,59- 63,66,67
	03	7.3*	p.465: 2-10,19-21,25,27 30,31, 33, 36-38,40,45, 46,69- 72,75,76
	05	REVIEW	
	08	FINAL EXAM: COMPREHENSIVE (200 points)	