

## SYLLABUS -SPRING 2010

COURSE: M216 Calculus II

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TEXT: *Calculus*, 6<sup>th</sup> ed., by James Stewart

CALCULATOR POLICY: Use of graphing calculators or calculators with computer algebra systems is not allowed.

COURSE GOALS: The student will be do the following procedures: (1) use advanced methods to evaluate integrals; (2) determine the convergence of infinite series; (3) evaluate and manipulate infinite series; (4) use integrals, derivatives, and vectors to solve problems in analytic geometry.

CELL PHONE POLICY: All cell phones must be turned off during class time.

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). Homework will be assigned daily. Each assignment that is taken up will count 3 points. Depending upon the circumstances, late homework may not be accepted and makeup examinations may not be given.

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

	<u>DAY</u>	<u>SECTION</u>	<u>PROBLEMS</u>
Jan.	11	7.6	p. 461: 1,3,4,5,6,8
	13	7.6	p. 461: 19,21,22-28,59,60,61,64,66,67,68,70
	15	7.7	p. 468: 9,10,11,13,15,16,24,30,31,32,33,37,38,39,57-62
	20	7.8	
	22	7.8	p. 478: 5,9,12,15,17,21,25-28,32,36,40,43,53,55,59
	25	8.1	p. 493: 1,3,4,6,10,11,12,14,17,18,19,22,23,29
	27	Examination (100 points)	

	29	8.2	p. 501: 1,2,4,5,7,9,14,23,25-32,39,40,42,43,44
Feb.	01	8.3	p. 508: 1,2,4,6,9,13,14,17,20,22,24,30
	03	8.4	p. 517: 9,10,12,16,17,19,20,21,24,25,39,42,43
	05	8.6	p. 529: 1,2,3,5,12-16,19,23,25,27,29,35-42,44
	08	8.7	p. 541: 7,15,16 (all with $n = 4$ only)
	10	8.8	p. 551: 1,2,5,6,8,10,11,13,15,21,22,27,30,31,34,39,42
	12	9.1	p. 566: 3,4,7,10,11,12,13
.	15	Examination (100 points)	
	17	9.2	p. 573: 1,2,5,7,10,13
	19	9.3	p. 583: 1-5
	22	10.3	p. 622: 1,2,3,7,11,12,15,16
	24	11.1	p. 662: 5,6,8,11,12,14,16
	26	11.2	p.672: 1,2,4,5,11,13,15,16
Mar.	01	11.2	p 672: 41,42,60,61,66
	03	11.3	p. 683: 1-4,29,31-35,37
	05	11.5	p. 696: 1,2,5,8,11,15,19,24,31,33,36,37,43
	08	12.1	p. 720: 3,4,5,8,18,19,20,21,22,25,30,32,33,35,36,37,41
	10	12.2	p. 730: 15-25,27,29,30,31,32,33,34,41,42,43
	12	Examination (100 points)	
	15	12.3	p. 739: 3-6,16,17,18,21,22,23
	17	12.4	
	19	12.4	p. 745: 3,4,5,7,8,9,12,13,14,16,17,18,22,23,24
	29	12.5	
	31	12.5	p. 749: 5,6,7,11,13,15,18,23,24
Apr.	02	12.6	p. 755: 2,3,4,5,6,7,8,9,12,13,14,15,20,21

05	12.8	p. 763: 3-9,12,13,16,19
07	12.9	p. 769: 3,4,7,8,15,18,23,25,26,27,29,30
09	12.10	p. 782: 7,8,9,15,20,29,33,34,47-50,54
12	13.1	p. 805: 1,2,5,7,10,11,12,13,14,15,16,18,20,21,23-32
14	Examination (100 points)	
16	13.2	p. 813: 6,7,8,9,13,14,17,18,20,21,23,24
19	13.3	p. 820: 3,4,7,9,10,15,18,19,23,29,30,32,35,36,37,40,45
21	13.4	p. 828: 1,4,5,17,28,29,30,31,33
23	13.5	p. 838: 2,3,4,5 (parametric equations only),7,8,15,23,24,26,29,30,33
26	Review	
May 03	Final Examination (200 points) Comprehensive	