

MATH 211 Syllabus Summer 2009

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There will be two midterm exams on July 1 and July 22. These will each determine 25% of your grade. The August 5 final exam will determine 40%. Your work in discussion and on homework will count for 10%. All exams will be in class. Except for serious illness or other very serious problems, there will be no makeups. If there is a serious problem inform either your instructor or discussion leader as soon as possible to make arrangements.

Chart on next page.

WEEK	DATE	Chapter	Topic	Section	Homework Problems
1	6/14-15	1	Precalculus	1	4, 12, 18, 34, 40
				2	4, 6, 12, 16, 22, 34, 38, 46, 60, 68, 72, 80, 84, 96b,d
				3	4, 6, 10, 14, 20, 22, 26, 30, 36, 38, 40
				4	10, 16, 20, 24, 36
				5	4, 8, 16, 28, 56, 60, 74
	6/16	2	Limits	6	4, 12, 14, 22, 44, 56, 58
				1	4, 10, 18, 32
				2	16, 28, 38, 42, 48, 52, 56
	6/17		More Limits	3	16, 20, 50
				4	2, 6, 16, 20, 24, 34, 40, 44, 48, 50, 58, 66
2	6/21		continuity, tangents	5	8, 16, 22, 32, 46
	6/22	3	Derivatives	6	8, 10, 20, 26, 32, 40, 44, 46, 48, 60
			Differentiation Rules	7	8, 16, 24, 28, 30, 32, 34
	6/23		Rate of change	1	4, 8, 12, 16, 28, 30, 32, 42, 58
	6/24		Trig Derivatives	2	4, 10, 20, 26, 30, 38, 42
3	6/28		Chain R, Params	3	4, 8, 12, 16, 18, 24, 28
	6/29		Implicit functions	4	4, 8, 12, 16, 20, 30, 36, 44, 46, 50
			Related Rates	5	8, 12, 18, 26, 34, 42, 52, 66, 74, 84, 92
	6/30		Differentials	6	4, 8, 12, 18, 22, 26, 30, 40, 46, 54,
				7	4, 6, 12, 18, 22, 30
				8	4, 14, 18, 24, 34, 40
		July 1			First Midterm Exam, Chapters 1-3
4	7/6	4	Apps of Derivs	1	18, 24, 28, 40, 44, 52, 54, 56, 58
			MVT	2	6, 8, 10, 24, 34,
	7/7		1st D test	3	4, 8, 22abc, 34abc, 42, 44
			2nd D test	4	8, 18, 38, 48, 64, 72, 74, 80, 84
	7/8		Optimization	5	4, 8, 14, 18, 22, 32, 40, 48, 56
5	7/12		L'Hôpital	6	4, 10, 16, 24, 30, 34, 40
	7/13		Antiderivatives	8	18, 24, 30, 38, 46, 52, 62, 72, 82, 94
		5	Finite Sums	1	4, 8, 12, 18, 20
	7/14		Notation	2	6,101, 14, 16, 18, 20, 28, 38
			Definite Integrals	3	4, 8, 12, 20, 36, 50, 60, 70, 80
	7/15		Fundamental Th.	4	4, 8, 12, 16, 20, 24, 28, 30, 34, 42, 44, 50, 54, 58, 62
			Indef. Integral	5	4, 8, 12, 20, 28, 36, 42, 48, 52, 58, 62
6	7/19		Substitution,Area	6	6,12, 18, 24, 30, 36, 40, 46, 52, 58, 62
		6	Volumes 1	1	2,4,10,16, 22, 28, 34, 40, 46, 50, 54, 58
	7/20		Volumes 2	2	6, 12, 18, 24, 30, 36
			Length	3	6, 12, 18a,b, 28, 30
	7/21		Moments	4	4, 12, 18, 24, 28, 34, 40
			Work	6	4, 8, 16, 20, 24, 30, 38
		July 22			Second Midterm Exam, Chapters 4-6
7	7/26	7	Inverses	1	2, 4, 8, 16, 24, 30, 40, 50, 62
			Logs	2	2, 4, 16, 24, 36, 40, 48, 54, 60, 68, 72, 78, 82
	7/27		Exponentials	3	4, 8, 12, 16, 20, 26, 36, 44, 52, 58, 62, 68
			$a^x, \log_a(x)$	4	4,6, 10, 16, 22, 32, 44, 48, 58, 70, 74, 78, 80, 90, 100
	7/28		Exp growth	5	2, 4, 8, 18, 20, 24, 26,
	7/29		Relative rates	6	4, 8, 10, 20, 22
			Inmverse Trig	7	6, 12, 16, 24, 36, 40, 50, 54, 58, 66, 72, 82, 92, 102, 110, 128, 129, 138, 150
8	8/2		Hyperbolic funcs.	8	4, 8, 24, 32, 40, 48, 56, 64, 72, 80, 84*, 88*
	8/3			Review	
	8/4			Review	
		August 5			Final Exam (Comprehensive)