MA 113, C	alculus I	Fall	2005	Calendar (Corrected)
Date	Section, topic, assignments.		Optional assignment from text.	
24-Aug	Ch. 1 Review of functions		Review, p. 56 #1,2,3,5,6,8-12,16-19	
25-Aug	Pretest, Assignment A1.		· · · · · · · ·	
26-Aug	Mathematical induction, handout.			
29-Aug	2.1 Tangent and velocity problems		§2.1 #1,2,3,5,6,8,9	
	2.2 Limit of a function		§2.2, #2,4,5,6,9,12,13,15,25,28	
30-Aug	Assignment A2.			
31-Aug	2.3 Calculating limits using the limit laws		§2.3 #1,2,11,13,15,17,20,22,28,39,40,4	49
	2.4 The precise definition of a limit (lightly)		§2.4 #1,2,3,4,5,6,9,10	
1-Sep	Worksheet 1. Practice quiz.			
2-Sep	2.5 Continuity		§2.5, #1,3,4,5,6,7,9,11,17,21,37	
5-Sep	Labor day, academic holiday			
6-Sep	12m submission deadline for A1 and A2			
_	Assignment A3, Practice quiz		_	
7-Sep	2.6 Tangents, velocities and rates of change	Э	§2.6 #1,2,3,5,13,15,17,18,23	
_	10am Worksheet 1 due			
8-Sep	Assignment A4, Worksheet 2.			
9-Sep	3.1 Derivatives		§3.1 #3,4,6,7,9,12,15,16,19,22,25,26	
12-Sep	3.2 The derivative as a function		§3.2 #1,2,4,7,10,12,17,25,36,39,41	
10.0	12m submission deadline for A3 and A4.			
13-Sep	Assignment A5, Practice quiz			
14-Sep	3.3 Differentiation formula		\$3.3 #5,10,16,18,21,25,28,33,40,44,53	5,57,58,62
	10am, Worksheet 2 due			
45.04	Last day to drop			
15-Sep	Assignment A6			
16-Sep	Review			
19-Sep	Review			
20 Son	12m submission deadline for A5 and A6.			
20-3ep	First exam. 7:30-9:30pm room TBA.			
21-Sep	Appendix D, Trigonometry		Appendix D, #1,4,7,10,13,15,23,26,29,	30,31,
22-Sep	Assignment B1		31,35,36,37,42,43,45,52,54,59,65,	67,68
23-Sep	3.5 Derivatives of trigonometric functions		§3.5 #3,6,9,12,18,29,30,35,36,43	
26-Sep	3.6 The chain rule		§3.6 #1,5,6,7,10,15,16,19,25,28,45,46,	55,56
	12m submission deadline for B1.			
27-Sep	Assignment B2, practice quiz.			
28-Sep	3.7 Implicit differentiation		§3.7 #3,4,7,10,14,15,26,29,35,39	
29-Sep	Assignment B3, Worksheet 3.			
30-Sep	3.8 Higher derivatives		§3.8 #1-3,11,18,25,26,39,41,44,49,50,	53
3-Oct	3.9 Related rates		§3.9 #1,2,4,6-8,10-12,14-17,20-22	
	12m submission deadline for B2 and B3.			
4-Oct	Assignment B4, Worksheet 4.			
5-Oct	3.10 Linear approximation		§3.10 #1,3,7,8,13,15,27,31,32,37	
	Worksheet 3 due in class.			
6-Oct	Assignment B5, practice quiz			
7-Oct	Fall break, academic holiday			
10-Oct	4.1 Maximum and minimum values		§4.1 #1,2,3,4,5,9,11,17,18,23,47,48,52	
	12m submission deadline for B4 and B5.			
11-Oct	Assignment B6.			
12-Oct	4.2 The mean value theorem		§4.2 #1,3,5-8,15-19,22	
10.0	10am, Worksheet 4 due in class.			
13-Uct	Assignment B7, practice quiz.			
14-Oct				
17-Oct				
10 0-4	12111 Submission deadline for B6 and B7.			
18-UCt	$r \ge (100 \text{ graded})$ 7:20 0:20 pm Exam 2, room TPA			
	1.50-3.50 pm Exam 2, 100m TDA			

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19-Oct	4.3 Derivatives and the shape of a graph	§4.3 #1,2,5,6,7-9,11-17,22	2-26,29,31,33
18-Oct	Assignment C1		
21-Oct	4.4 Limits at infinity	§4.4 #1-4,9,11,13,15,17,19	9,21,23,35,37,39,43,58
	Last day to withdraw		
24-Oct	4.5 Summary of curve sketching	§4.5 #3,12,13,17,23,27,31	
	12m submission deadline for C1.		
25-Oct	Assignment C2, practice quiz		
26-Oct	4.5 continued	§4.6 #20,21,26,27	
27-Oct	Worksheet 5		
28-Oct	4.7 Optimization problems	§4.7 #2,3,6,7,10,16,19,22,	29,32,35,51,52.
31-Oct	4.7 Optimization problems		
	12m submission deadline for C2		
1-Nov	Assignment C3, practice quiz		
2-Nov	4.9 Newton's method	§4.9 #1,4,5,6,11,27,31,34,	35
	Worksheet 5 due in class.		
3-Nov	Assignment C4. worksheet 6.		
4-Nov	4.10 Anti-derivatives	§4.10 #1,3,5,7,21,23,25,31	1,36,37,39,40,53,55,68,71
7-Nov	5.1 Areas and distances	§5.1 #1,3,4,5,11,12,20,22	
	12m submission deadline for C3 and C4.		
8-Nov	Assignment C5.		
9-Nov	5.2 The definite integral	§5.2 #1,7,9,17,19,25,29,30),33-36,39,47-49,55,57
10.11	10am, Worksheet 6 due in class.		
10-Nov	Assignment C6, practice quiz		
11-NOV	Review		
14-INOV	Review		
	12m submission deadline for C5 and C6		
15 Nov	Collined Wilhelm Leibniz died, 1716		
15-1100	7:20pm 0:20pm room TBA		
16-Nov	5.3 The fundamental theorem of calculus	85 3 #1 7-11 13 19 21 23 3	25 27 31 33 51
17-Nov	Assignment D1	30.0 #1,7 11,10,10,21,20,2	20,27,01,00,01,
18-Nov	5.4 Indefinite integrals	85 4 #1 3 17 19 21 23 25 3	31 33 43 46 48
21-Nov	5.5 Substitution	85 5 #1 3 9 11 13 15 17 19	21 27 37 39 45 49 57 58
	12m submission deadline for D1	3010,0,0,0,1.,10,10,10,10	,,_,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
22-Nov	Assignment D2, practice guiz		
23-Nov	5.5 Substitution, continued		
24-Nov	Thanksgiving day, academic holiday.		
25-Nov	Academic holiday.		
28-Nov	6.1 Areas between curves	§6.1 #1,2,5,7,11,13,21,22,	24,45
	12m Submission deadline for D2	C	
29-Nov	Assignment D3		
30-Nov	6.2 Volume	§6.2 #1,3,12,13,14,47,48,4	49,53
1-Dec	Assignment D4, practice quiz	-	
2-Dec	6.3 Volume by cylindrical shells	§6.3 #1,9,11,13,15,17,43,4	45.
5-Dec	Review		
	12m submission deadline for D3 and D4		
6-Dec	Assignment D5, practice quiz		
7-Dec	Review		
8-Dec	R4 (not graded)		
	12m submission deadline for D5.		
9-Dec	Review		
13-Dec	Final exam. room to be announced.		