Calendar for Ma 113: Calculus - Spring 2010

Lecture *Recitation*	In-Class Activities	Due Dates	Optional Textbook Problems
13-Jan	1.1 - 1.4: Domain, Range; Linear and Quadratic Functions		p.74: 1,3,5,6,10,11,19; p. A15: 1,7,17,18,21,37; p. A23: 11,14,29,33
14-Jan	*Pretest, Worksheet 1*		
15-Jan	1.6: Inverse Functions (w/o Log and Inverse Trig)		1.6: 1-13 odd,21,27,29,33,35
18-Jan	Martin-Luther-King Day: Academic Holiday		
19-Jan	*Worksheet 2 (#1-6), Assignment 1 handed out*		
20-Jan	1.5, 1.6: Exp. and Log. Functions (w/o e and ln)	A1, **Last day to add a class**	1.5: 1-11 odd; 1.6: 33,35,37
21-Jan	*Worksheet 2 (#7-10), Quiz 1*		
22-Jan	2.1 The Tangent and Velocity Problem		2.1: 1,3,5,7
25-Jan	2.2 The Limit of a Function		2.2: 1,5,7,9,13,15,25,27,33
26-Jan	*Worksheets 3, 4*	A2	
27-Jan	2.3 Limit Laws	A3, Assgn1 due in class	2.3: 1-15 odd,21,25,29
28-Jan	*Worksheet 5, Quiz 2, Assignment 2 handed out*		
29-Jan	2.5 Continuity	A4	2.5: 3-13 odd,16,19,21,23,35,37,41,47
1-Feb	2.7 Derivatives and Rates of Change		2.7: 1-9 odd, 13,17,19,25,27,31
2-Feb	*Worksheet 6*	A5	
3-Feb	2.8 The Derivative as a Function	A6**, Last day to drop**	2.8: 1,3,5,9,19,23,25,35
4-Feb	*Worksheet 7, Quiz 3*		
5-Feb	Review	A7, Assgn2 due in class	
8-Feb	Review		
9-Feb	*Worksheet 8*		
9-Feb	**Exam 1, 7:30-9:30 PM, room TBA**		
10-Feb	3.1 Derivatives of Poly. and Exp. Fct's (introduce e and ln)	**Last day to withdraw for 50% refund**	3.1: 1,3,5,7,15,17,21,23,31,33,39,47
11-Feb	*Worksheet 9, Assignment 3 handed out*		
12-Feb	3.2 The Product and Quotient Rules	B1	3.2: 1,3,7,11,15,23,27
15-Feb	Appendix D and 1.6: Trig and Inverse Trig Functions		App D: 1,7,13,19,20,29,31,33,35,43,51,59,65; 1.6: 59,61,63,65
16-Feb	*Worksheet 10*		
17-Feb	3.3 Derivatives of Trig Functions	B2	3.3: 1,5,9,15,17,21,33,39
18-Feb	*Worksheet 11, Quiz 4*		
19-Feb	3.4 Chain Rule	B3, Assgn3 due in class	3.4: 1,5,9,19,23,35,47
22-Feb	3.5 Implicit Differentiation and Derivatives of Inverse Trig	B4	3.5: 1,5,11,19,21,27,33
23-Feb	*Worksheet 12, Assignment 4 handed out*		
24-Feb	3.6 Derivatives of Logarithms (w/o Logarithmic Diff'n)	B5	3.6: 3,7,13,19,33,37,43
25-Feb	*Worksheet 13, Quiz 5*		
26-Feb	3.7 Rates of Change	B6	3.7: 1,5,9,15,21,23
1-Mar	3.8 Exponential Growth and Decay	B7	3.8: 3,5,7,11,13
2-Mar	*Worksheet 14*		
3-Mar	3.9 Related Rates	B8	3.9: 3,7,13,15,25,31,37,43
4-Mar	*Worksheet 15, Quiz 6*		
5-Mar	Review	B9, Assgn4 due in class	

8-Mar	Review		
9-Mar	*Worksheet 16*		
9-Mar	**Exam 2, 7:30-9:30 PM, room TBA**		
10-Mar	4.1 Maximum and Minimum Values		4.1: 5,9,11,13,17,21,25,29,33,34,41,49,51,57,61
11-Mar	*Worksheet 17, Assignment 5 handed out*		
12-Mar	4.2 The Mean Value Theorem	C1	4.2: 3,5,7,11,15,19,23,25
15-Mar	Spring Break		
16-Mar	Spring Break		
17-Mar	Spring Break		
18-Mar	Spring Break		
19-Mar	Spring Break		
22-Mar	4.3 How Derivatives Affect the Shape of a Graph		4.3: 3,5,7,11,17,19,25,31
23-Mar	*Worksheet 18*		
24-Mar	2.6 Limits at Infinity, Horizontal Asymptotes	C2	2.6: 3,5,7,13,19,25,33,41,49,53(a)
25-Mar	*Worksheet 19, Quiz 7*		
26-Mar	4.4 L'Hopital's Rule (w/o Differences and Powers)	C3, Assgn5 due in class	4.4: 1,3,5,9,17,21,29,43,55
29-Mar	4.5 Summary of Curve Sketching (w/o Slant Asymptotes)		4.5: 5,9,17,19,33,41
30-Mar	*Worksheet 20, Assignment 6 handed out*		
31-Mar	4.7 Optimization Problems	C4	4.7: 3,5,11,13,17
1-Apr	*Worksheet 21, Quiz 8*		
2-Apr	4.7 Optimization Problems	C5, **Last Day to withdraw**	4.7: 19,33,55
5-Apr	3.10 Linear Appr. (w/o Differentials)		3.10:1,3,9,23,29; 4.8: 3,5,11,17,21,31,33
6-Apr	*Worksheet 22*	C6	
7-Apr	4.9 Anti-Derivatives		4.9: 3,7,15,21,23,31,39
8-Apr	*Worksheet 23, Quiz 9*	C7	
9-Apr	Review	C8, Assgn6 due in class	
12-Apr	Review		
13-Apr	*Worksheet 24*		
13-Apr	**Exam 3, 7:30-9:30 pm, room TBA**		
14-Apr	5.1 Areas and Distances		5.1: 3,11,15,17,21
15-Apr	*Worksheet 25*		
16-Apr	5.2 The Definite Integral	D1	5.2: 1,5,9,19,21,23,33,37,49,53,55
19-Apr	5.3 The Fundamental Theorem of Calculus		5.3: 3,5,9,13,17,19,27,31,39,51,53
20-Apr	*Worksheet 26*		
21-Apr	5.4 Indefinite Integrals and Net Change	D2	5.4: 3,5,9,15,23,31,37,43
22-Apr	*Worksheets 27, 28 (#1-4), Quiz 10*		
23-Apr	5.5 Substitution Rule	D3	5.5: 3,7,13,19,21,25,33,43,59,67,75
26-Apr	Review		
27-Apr	*Worksheets 28 (#5-7), 29*		
28-Apr	Review	D4	
29-Apr	*Worksheet 30*		
30-Apr	Review		
5-May	**Final exam, 6:00-8:00 PM, room TBA**		