Math 122 Business Calculus Syllabus Fall 2015

Date	Topic	Homework (odd problems only)
8/21	Functions	[1.1] 1, 5, 9-17, 25, 27, 43-47, 51 [1.2] 19-25, 29
24	Linear & Quadratic Functions	[1.3] 1, 9-27, 43, 59-71, 79-83, 87, 91, 93, 99 [2.1] 1-13, 19-27, 43, 45, 55
26	Exponential Functions	[2.2] 1, 13, 19-23, 39, 47-63, 77, 83, 87
28	Logarithm Functions	[2.3] 1-13, 33-43, 49-53, 75-79
31	**Quiz #1: Algebra**	
9/2	Numerical & Graphical Limits	[3.1] 1-43
4	Continuity	[3.2] 1-15, 25-35
7		(LABOR DAY)
9	Algebraic Limits	[3.3] 5-47, 53-75
11	Average Rates of Change	[3.4] 1-31, 55, 59
14	**Quiz #2: Limits**	
16	Numerical Derivatives	[3.5] 1-11, 37, 39, 55, 57, 77, 83, 89
18	Graphical Derivatives	[3.5] 13-35, 41-53, 59-71, 109, 111
21	Algebraic Derivatives	[3.6] 1-37
23	Algebraic Derivatives	[3.6] 39-51, 55-59
25	Review	[R1] 1, 5, 9-21, 27 [R2] 1-5, 9-13, 17-21 [R3] 1-43, 51-55
28	**Test #1: Derivatives**	
30	Powers, Sums & Multiples	[4.1] 1-31, 35-41, 45-69, 89, 97, 105-111
10/2	Marginal Analysis	[4.2] 1-17, 21, 37, 39
5	Product & Quotient Rules	[4.3] 1-21, 27-35, 43-49, 71-85, 95, 97
7	**Quiz #3: Simple Derivative Rules**	
9		(FALL BREAK)
12	The Chain Rule	[4.4] 1-23, 29-41, 47, 49, 67, 69, 87, 89
14	Logarithm Derivatives	[4.5] 1-5, 15-29, 37-43, 69, 73, 75, 79
16	Exponential Derivatives	[4.5] 7-13, 45-67, 77, 89, 93, 95, 119-123
19	Review	[R4] 1-9, 13-33, 41-45, 49, 57
21	**Test #2: Derivative Rules**	
23	Finding Max/Min	[5.1] 1-27, 49-55
26	Finding Max/Min	[5.1] 29-43, 57-63
28	Max/Min Applications	[5.2] 11-35, 73, 75
30	Max/Min Applications	[5.2] 1-9, 37-51
11/2	**Quiz #4: Max/Min**	
4	Second Derivatives	[5.3] 1-31, 55-59, 65
6	Second Derivative Test	[5.3] 33-53, 69, 73, 83
9	Graphing	[5.4] 1-25, 31, 7, 41, 45
11	Review	[R5] 1-29
13	**Test #3: Derivative Applications**	
16	Integrals	[6.1] 1-29, 33, 35, 39-51, 61, 89-95
18	Substitution	[6.2] 1-21, 25-33, 51, 53
20	Substitution	[6.2] 35-47, 73, 87-95, 99, 105, 107
23	Areas Under Curves	[6.3]1-33, 39-49, 55, 65
25		(THANKSGIVING BREAK)
27		(THANKSGIVING BREAK)
30	Fundamental Theorem	[6.4] 1-21, 25-47, 55, 57, 69, 77
12/2	**Quiz #5: Integrals**	
4	**Review for Final**	
7	**Final Exam** (4-6 pm)	