

## Math 1125 Outline - Spring 2011

(*Calculus, Early Transcendentals*, by Briggs and Cochran 1<sup>st</sup> Edition)

Week	Date	Section	Topic	Homework-My Math Lab
1	Jan 17	1.1	Review of Functions	1.1 - 4, 6, 7, 11, 13, 17, 19, 21, 25, 29, 31, 33, 35, 45
2	Jan 24	1.2	Representing Functions	1.1- 46, 49, 53, 54, 74 1.2 – 10, 11, 13, 15, 18, 25, 27, 28
		1.3	Inverse, Exponential, and Logarithm Functions	1.2 – 29, 30, 32, 56, 57, 60 1.3 – 11, 14, 15, 17, 21, 27, 31, 33, 41, 58
3	Jan 31	1.4	Trigonometric Functions and Their Inverses	1.2 – 61, 67 1.3 – 22, 32, 45 1.4 – 15, 17, 23, 35, 37, 41, 43, 49, 66, 73
		1.4	Continued	1.4 – 19, 20, 31, 39, 42, 53, 58, 66, 76, 81, 83
4	Feb 7	2.1	The Idea of Limits	1.1 – 12, 15, 26, 28, 39, 65 1.2 – 19 1.3 – 69 2.1 – 3, 7, 9, 13, 15, 16, 17, 24, 25
		2.2	Definitions of Limits	2.2 – 2, 3, 5, 7, 9, 13, 18, 21, 25, 31, 35
5	Feb 14	2.3	Techniques for Computing Limits	2.2 – 10, 19, 20 2.3 – 11, 17, 20, 22, 25, 27, 33, 37, 39, 44, 47, 49, 53, 57, 59, 65, 80
6	Feb 21	2.4	Infinite Limits	2.4 – 4, 5, 8, 11, 15, 17, 21, 23, 27, 37, 41, 46
		2.5	Limits at Infinity	2.4 – 10, 18, 26, 30, 39 2.5 – 3, 9, 11, 14, 21, 24, 25, 27, 29, 31, 33, 39, 41, 43, 66
7	Feb 28		<b>First Exam during this week</b>	
Spring Break	Mar 5 - 13			
8	Mar 14	2.6	Continuity	2.5 – 17, 27, 44, 53, 57, 61, 67 2.6 – 1, 2, 5, 9, 15, 20, 21, 33, 35, 37, 41, 45, 46, 51, 61, 65, 69, 74, 80
		2.7	Precise Definitions of Limits	2.6 – 16, 22, 27, 34, 74 2.7 – 1, 5, 7, 9, 11, 13, 17, 21, 29,

<b>Week</b>	<b>Date</b>	<b>Section</b>	<b>Topic</b>	<b>Homework-My Math Lab</b>
				34, 41, 51
9	Mar 21	3.1	Introducing the Derivative	2.7 – 10, 12, 42 3.1 – 5, 7, 9, 11, 13, 15, 22, 39, 41, 43, 53
		3.2	Rules of Differentiation	3.1 – 25, 27, 35, 46, 49, 59, 61, 67, 71 3.2 – 7, 9, 10, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33
10	Mar 28	3.3	The Product and Quotient Rules	3.2 – 39, 42, 45, 50, 51, 55, 56 3.3 – 1, 6, 9, 11, 13, 17, 21, 23, 27, 29, 31, 32, 37, 39, 43
		3.4	Derivatives of Trigonometric Functions	3.2 – 25, 31, 41 3.3 – 20, 49, 50, 54, 57, 81 3.4 – 5, 6, 7, 11, 13, 15, 17, 22, 27, 28, 33, 40, 50
11	Apr 4	3.5	Derivatives as Rates of Change	3.3 – 51, 67 3.4 – 39, 52, 57, 69 3.5 – 7, 9, 11, 17, 20, 21, 28, 33, 38
		3.6	The Chain Rule	3.5 – 23, 41, 43, 47 3.6 – 5, 6, 9, 11, 20, 25, 31, 37, 39, 45, 48, 55, 57, 61
12	Apr 11		Exam 2 – this week	
13	Apr 18	3.7	Implicit Differentiation	3.7 – 5, 8, 11, 12, 21, 28, 35, 37, 39, 49, 66
		3.8	Derivatives of Logarithmic and Exponential Functions	3.7 – 9, 13 3.8 – 7, 9, 13, 15, 16, 17, 21, 26, 35
14	Apr 25	3.9	Derivatives of Inverse Trigonometric Functions	3.9 – 7, 9, 17, 19, 21, 29, 31, 37, 39, 41, 44, 51
			Review	