Math 1M03 Course Calendar – Winter 2015

Week 1: January 5-9	
Lecture 1	4.1 Exponential Functions
Lecture 2	4.1 Exponential Functions (Continued)
Lecture 3	4.2 Logarithmic Functions

Week 2: January 12-16	
Assignment #0 and Assignment #1: Due at 11:59pm on Friday January 16th	
Lecture 4	4.2 Logarithmic Functions (Continued)
Lecture 5	4.3 Differentiation of Exponential and Logarithmic Functions (Omit Elasticity of Demand)
Lecture 6	4.3 Differentiation of Exponential and Logarithmic Functions (Continued)

Week 3: January 19-23	
Assignment #2: Due at 11:59pm on Friday January 23rd	
Lecture 7	4.4 Applications (Omit Optimum Holding Time)
Lecture 8	4.4 Applications (Continued) 5.1 Antidifferentiation: The Definite Integral
Lecture 9	5.1 Antidifferentiation (Continued)

Week 4: January 26-30	
Test #1: Evening of Wednesday January 28	
Lecture 10	5.2 Integration by Substitution
Lecture 11	5.2 Integration by Substitution (Continued)
Lecture 12	5.3 The Definite Integral and The Fundamental Theorem of Calculus

Week 5: February 2-6	
Assignment #3: Due at 11:59pm on Friday February 6th	
Lecture 13	5.3 The Definite Integral and The Fundamental Theorem of Calculus (Continued)
Lecture 14	5.4 Applying Definite Integration (Omit Excess Profit, Lorentz Curves, Gini Index)
Lecture 15	5.4 Applying Definite Integration (Continued)

Week 6: February 9-13	
Assignment #4: Due at 11:59pm on Friday February 13th	
Lecture 16	6.1 Integration by Parts
Lecture 17	6.1 Integration by Parts (Continued) 6.2 Improper Integrals
Lecture 18	6.2 Improper Integrals (Continued)

WEEK 7: READING WEEK, FEBRUARY 16-20

Week 8: February 23-27	
Test #2: Evening of Wednesday February 25	
Lecture 19	7.1 Functions of Several Variables
Lecture 20	7.1 Functions of Several Variables (Continued)
Lecture 21	7.2 Partial Derivatives (Omit Substitute and Complementary Commodities)
Week 9: March 2-6	
Assignment #5: Due at 11:59pm on Friday March 6th	
Lecture 22	7.2 Partial Derivatives (Continued)
Lecture 23	7.3 Optimizing Functions of Two Variables
Lecture 24	7.3 Optimizing Functions of Two Variables (Continued)
Week 10: March 9-13	
Assignment #6: Due at 11:59pm on Friday March 13th	
Lecture 25	7.5 Constrained Optimization: The Method of Lagrange Multipliers
Lecture 26	7.5 Constrained Optimization (Continued)
Lecture 27	8.1 Introduction to Differential Equations
Week 11: March 16-20	
Assignment #7: Due at 11:59pm on Friday March 20th	
Lecture 28	8.1 Introduction to Differential Equations (Continued)
Lecture 29	8.2 First-Order Linear Differential Equations
Lecture 30	8.2 First-Order Linear Differential Equations (Continued)
Week 12: March 23-27	
Test #3: Evening of Wednesday March 25	
Lecture 31	10.2 Continuous Random Variables (Omit joint probability density functions)
Lecture 32	10.2 Continuous Random Variables (Continued)
Lecture 33	10.3 Expected Value and Variance of Continuous Random Variables
Week 13: March 30 - April 2 (no classes on Friday April 3rd)	
Assignment #8: Due at 11:59pm on Friday April 3rd	
Lecture 34	10.3 Expected Value and Variance (Continued)
Lecture 35	10.4 Normal and Poisson Probability Distributions (Omit the Poisson Distribution)
Lecture 36	10.4 Normal and Poisson Probability Distributions (Continued)
Week 14: April 6-8 (April 8 is the last day of classes)	
Assignment #9: Due at 11:59pm on Friday April 10th	
Lecture 37	Review
Lecture 38	Review