Math 1A03/1ZA3 Course Calendar

Week 1: September 8-11, 2015	
DO ASSIGNMENT #0	
Lecture 1	Introduction Appendix D Review of Trigonometry
Lecture 2	Appendix D Review of Trigonometry (Continued) 1.5 (1.6 in 7th Ed.) Inverse Functions and Logarithms
Lecture 3	1.5 (1.6 in 7th Ed.) Inverse Functions and Logarithms (Continued)
Week 2: September 14-18, 2015	
TUTORIALS START THIS WEEK **ASSIGNMENT #1 DUE DATE:** 11:59pm on Thursday September 17th	
Lecture 4	2.5 Continuity and Review of Limits
Lecture 5	2.5 Intermediate Value Theorem
Lecture 6	2.7 Derivatives and Rates of Change
Week 3: September 21-25, 2015	
LABS START THIS WEEK **MAPLE LAB #1 Due Date:** 11:59pm on Thursday September 24th	
Lecture 7	2.8 The Derivative as a Function
Lecture 8	3.1 Derivatives of Polynomials and Exponential Functions 3.2 The Product and Quotient Rule 3.3 Derivatives of Trigonometric Functions
Lecture 9	4.8 Newton's Method
Week 4: September 28 - October 2, 2015	
ASSIGNMENT #2 DUE DATE: 11:59pm on Thursday October 1st	
Lecture 10	3.4 The Chain Rule 3.5 Implicit Differentiation
Lecture 11	3.5 Implicit Differentiation (Note: Do Exercise 77(a) in 3.5, or state the result in class) 3.6 Derivatives of Logarithmic Functions
Lecture 12	3.11 Hyperbolic Functions
Week 5: October 5-9, 2015	
MAPLE LAB #2 Due Date: 11:59pm on Thursday October 8th	
Lecture 13	4.1 Maximum and Minimum Values
Lecture 14	4.2 Mean Value Theorem
Lecture 15	4.3 How Derivatives Affect the Shape of a Graph
Week 6: October 12-16, 2015 - READING WEEK	

Week 7: October 19-23, 2015	
TEST 1: Evening of Monday October 19th	
Lecture 16	4.4 Indeterminate Forms and L'Hospital's Rule
Lecture 17	4.5 Summary of Curve Sketching
Lecture 18	4.5 Summary of Curve Sketching (Continued)
Week 8: October 26-30, 2015	
ASSIGNMENT #3 DUE DATE: 11:59pm on Thursday October 29th	
Lecture 19	4.7 Optimization Problems
Lecture 20	4.9/5.4 Antiderivatives Introduce indefinite integral notation from Section 5.4 while doing 4.9
Lecture 21	Appendix E (Omit Mathematical Induction)
Week 9: November 2-6, 2015	
MAPLE LAB #3 Due Date: 11:59pm on Thursday November 5th	
Lecture 22	5.1 Area and Distance
Lecture 23	5.2 The Definite Integral
Lecture 24	5.3 Fundamental Theorem of Calculus
Week 10: November 9-13, 2015	
ASSIGNMENT #4 DUE DATE: 11:59pm on Thursday November 12th	
Lecture 25	5.5 The Substitution Rule
Lecture 26	6.1 Areas Between Curves
Lecture 27	6.2 Volumes
Week 11: November 16-20, 2015	
Test 2: Evening of Monday November 16th **MAPLE LAB #4 Due Date:** 11:59pm on Thursday November 19th	
Lecture 28	6.2 Volumes (Continued) 6.4 Work
Lecture 29	6.5 Average Value of a Function 7.1 Integration by Parts
Lecture 30	7.1 Integration by Parts (Continued)
Week 12: November 23-27, 2015	
MAPLE LAB #5 Due Date: 11:59pm on Thursday November 26th	
Lecture 31	7.2 Trigonometric Integrals
Lecture 32	7.3 Trigonometric Substitution
Lecture 33	7.4 Integration of Rational Functions by Partial Fractions (omit rationalizing substitutions)

Week 13: November 30 to December 4, 2015	
ASSIGNMENT #5 DUE DATE: 11:59pm on Thursday December 3rd	
Lecture 34	7.4 Integration of Rational Functions by Partial Fractions (Continued)
Lecture 35	8.1 Arc Length
Lecture 36	7.5 Integration Strategy
Week 14: December 7-8, 2015 (Classes end on Dec. 8)	
ASSIGNMENT #6 DUE DATE: 11:59pm on Thursday December 10th	
Lecture 37	Review