

**MTH 229 Schedule
Summer 2009**

	Monday	Tuesday	Wednesday	Thursday
Week1				
Theme	DERIVATIVES	DERIVATIVES	DERIVATIVES	DERIVATIVES
Date	June 15	June 16	June 17	June 18
Activity	Introduction	2.6 Tangents, Velocities, and Other Rates of Change	2.7 Derivatives	01 Graphs and Mathematica 04 Tangent Lines
Week2				
Theme	DERIVATIVES	DERIVATIVES	LIMITS	DERIVATIVES
Date	June 22	June 23	June 24	June 25
Activity	2.8 The Derivative as a Function	2.9 What Does f' Say about f ?	2.2 The Limit of a Function	06 Derivatives and Graphs 10 The Derivative
Week3				
Theme	LIMITS	LIMITS	LIMITS	LIMITS
Date	June 29	June 30	July 1	July 2
Activity	2.3 Calculating Limits Using the Limit Laws	2.4 Continuity	2.5 Limits Involving Infinity	11 Limits and Derivatives 12 Limits and Infinity
Week4				
Theme	DIFFERENTIATION	DIFFERENTIATION		DIFFERENTIATION
Date	July 6	July 7	July 8	July 9
Activity	3.1 Derivatives of Polynomials and Exponential Functions	3.2 The Product and Quotient Rules	MIDTERM 1 (Chapter 2)	13 Polynomial Functions 15 Algebra & Derivatives
Week5				
Theme		DIFFERENTIATION	DIFFERENTIATION	DIFFERENTIATION
Date	July 13	July 14	July 15	July 16
Activity	3.4 Derivatives of Trigonometric Functions	3.5 The Chain Rule	3.5 The Chain Rule	14 Transcendental Functions 16 The Chain Rule
Week6				
Theme	DIFFERENTIATION	DIFFERENTIATION	APPROXIMATIONS	APPROXIMATIONS
Date	July 20	July 21	July 22	July 23
Activity	3.6 Implicit Differentiation	3.7 Derivatives of Logarithmic Functions	3.8 Linear Approximations and Differentials	21 Linear Approximations
Week7				
Theme	APPLICATIONS	APPLICATIONS	APPLICATIONS	APPLICATIONS
Date	July 27	July 28	July 29	July 30
Activity	3.3 Rates of Change in the Natural & Social Sciences	4.1 Related Rates	4.1 Related Rates	20 Derivatives and Rates
Week8				
Theme	APPLICATIONS	APPLICATIONS		APPROXIMATIONS
Date	August 3	August 4	August 5	August 6
Activity	4.3 Derivatives and the Shapes of Curves	4.8 Newton's Method	MIDTERM 2 (Chapter 3)	24 Newton's Method
Week9				
Theme	APPLICATIONS	APPLICATIONS	APPLICATIONS	APPLICATIONS
Date	August 10	August 11	August 12	August 13
Activity	4.2 Maximum and Minimum Values	4.6 Optimization Problems	4.6 Optimization Problems	25 Optimization
Week10				
Theme				
Date	August 17	August 18	August 19	August 20
Activity	Review	Final Exam	Final Exam	