



UNCC<sup>®</sup>CHARLOTTE

# MATH 1241-090

David & Norma Royster

FALL, 2002

DATE	Topic	DATE	Topic
Mon, August 19	Introduction & Review of Functions	Mon, October 14	Product & Quotient Rules / Applications
Wed, August 21	Mathematical Models & Building New Functions from Old	Wed, October 16	Applications / Derivatives of Trig functions
Mon, August 26	Using Graphing Calculators & Exponential Functions	Mon, October 21	Chain Rule / Implicit Differentiation
Wed, August 28	Exponential Functions, Inverse Functions, Logarithms	Wed, October 23	Implicit Differentiation / Derivatives of Logarithms
Mon, September 2	NO CLASS, Labor Day	Mon, October 28	Linear Approximations / Tangent line approximations
Wed, September 4	Parametric Equations / REVIEW	Wed, October 30	<b>TEST 3</b>
Mon, September 9	<b>TEST 1</b>	Mon, November 4	Related Rates / Max-Min problems
Wed, September 11	Tangents & Velocity / Limits of a Function	Wed, November 6	Max-min problems / Shape of curves
Mon, September 16	Calculating Limits / Continuity	Mon, November 11	Graphing / l'Hopital's Rule
Wed, September 18	Limits involving Infinity	Wed, November 13	Optimization Problems
Mon, September 23	Rates of Change / Derivatives	Mon, November 18	Optimization Problems
Wed, September 25	Derivative as a function / Local Linearity	Wed, November 20	Newton's Method
Mon, September 30	NO CLASS	Mon, November 25	Antiderivatives
Wed, October 2	What does the derivative tell us about the function?	Wed, November 27	NO CLASS, Thanksgiving Day
Mon, October 7	Derivatives of Polynomials & Exponentials / REVIEW	Mon, December 2	Antiderivatives
Wed, October 9	<b>REVIEW / TEST 2</b>	Wed, December 4	REVIEW

**FINAL EXAM: SATURDAY DECEMBER 7 8:00-11:00 AM**