Math 13 (Calculus with Elementary Functions I)

Monday	**Wednesday**	**Friday**
9/2 NO CLASS (Labor Day)	9/4 C 2.1 Instantaneous Rates of Change: The derivative	9/6 C 2.2 Interpretations of the Derivative
9/9 PC 2.1, 2.2 Linear Functions and Graphs	9/11 PC 3.1, 3.2 Power, Polynomial, and Quadratic Functions	9/13 C 1.1 An Introduction to Limits
9/16 C 1.3 Finding Limits Analytically	9/18 C 1.4 One Sided Limits	9/20 C 1.5 Continuity
9/23 Catch Up & Review	9/25 Exam 1	9/27 C 1.6 Limits Involving Infinity
9/30 C 2.1 Instantaneous Rates of Change: The derivative	10/2 C 2.3 Basic Differentiation Rules	10/4 C 2.4 Product and Quotient Rules
10/7 PC 1.4, 1.5 Combinations and Transformations of Functions	10/9 C 2.5 The Chain Rule	10/11 C 2.6 Implicit Differentation
10/14 C 2.6 Implicit Differentation, practice differentiation	10/16 PC 3.3, 3.7 Polynomial and Rational Functions	10/18 C 3.1 Extreme Values
10/21 Catch Up & Review	10/23 Exam 2	10/25 NO CLASS (Fall Break)
10/28 C 3.2 The Mean Value Theorem	10/30 C 3.3 Increasing and Decreasing Functions	11/1 C 3.4 Concavity and the Second Derivative
11/4 PC 1.1, 1.2 Functions, Notation, Domain, and Range	11/6 C 3.5 Curve Sketching	11/8 C 3.5 More Curve Sketching
11/11 C 4.4 Differentials	11/13 C 5.1 Antiderivatives and Indefinite Integrals	11/15 C 5.2 The Definite Integral
11/18 Catch Up & Review	11/20 Exam 3	11/22 5.3 Riemann Sums
11/25 5.3 Riemann Sums C 5.4 The Fundamental Theorem of Calculus (FTC)	11/27 NO CLASS (Thanksgiving Break)	11/29 NO CLASS (Thanksgiving Break)
12/2 C 5.4 More FTC	12/4 C 6.1 Substitution	12/6 Catch Up & Review