

Math 14 (Calculus with Elementary Functions, II)

Monday	Wednesday	Friday
8/24 Exponential Functions & their Graphs Lip./Ras. §4.1, 4.2	8/26 Der. exponentials, Review Prod, Quot rules Apex §2.3, 2.4	8/28 Logarithmic Functions and their Properties Lip./Ras. §4.3, 4.4
8/31 Graphs of Logarithmic Functions Lip/Ras §4.5	9/2 Exponential, Logarithmic Models Lip/Ras §4.6	9/4 Chain Rule Apex §2.5
9/7 NO CLASS (Labor Day)	9/ 9 Circles and Angles Lip/Ras §5.1, 5.2	9/11 Unit Circle and Trig Functions Lip/Ras §5.3, 5.4
9/14 Implicit Diff & Log Diff Apex §2.6	9/16 Right Angle Trig Lip/Ras §5.5	9/18 Review
9/21 EXAM 1	9/23 Graphs of Trig Fctns Lip/Ras §6.1, 6.2	9/25 Derivatives of Trig Functions Apex §2.3
9/28 Inverse Trig Fctns, Solving Trig equations Lip/Ras §6.3, 6.4	9/30 Applications of Trig Lip/Ras §6.5	10/2 Newton's Method Apex §4.1
10/5 Law of Sines/Law of Cosines Lip/Ras §8.1	10/7 Related Rates Apex §4.2	10/9 Related Rates Apex §4.2
10/12 Optimization Apex §4.3	10/14 Optimization Apex §4.3	10/16 Review
10/19 EXAM 2	10/21 Linear Approximations, Differentials Apex §4.4	10/23 Review: Antiderivatives, Indefinite Integration Apex Section 5.1
10/26 Review: The Definite Integral Apex §5.2	10/28 Riemann Sums Apex §5.3	10/30 Fundamental Theorem of Calculus Apex Section 5.4
11/2 Fundamental Theorem of Calculus Apex Section 5.4	11/4 Trig identities Lip/Ras §7.1	11/6 u-Substitution Apex §6.1
11/9 u-Substitution Apex §6.1	11/11 More Trig Identities Lip/Ras §7.2, 7.3	11/13 Review
11/16 EXAM 3	11/18 Integration by Parts Apex §6.2	11/20 Integration by Parts Apex §6.2
11/23 Review	11/25 No class (Thanksgiving break)	11/25 No class (Thanksgiving break)