Table of Contents

Entry	Topic	Date
1	Trigonometry Review	8/26
2	1.1 Limits & Continuity	8/29
3	1.2 Intermediate Value Theorem (IVT) & Graphing Adjustments	8/30
4	1.3 Infinite Limits, Limits at Infinity, and Curve Sketching	9/3
5	1.4 The Limit Definition of Derivative	9/5
6	1.5 Limit Laws & The Squeeze Theorem	9/10
7	2.1 Differentiation Rules, Tangent Lines & Rates of Change	9/16
8	2.2 Product Rule, Quotient Rule & Trig Rules	9/17
9	2.3 Derivatives of Logarithmic Functions	9/20
10	2.4 Chain Rule	9/23
11	3.1 Implicit Differentiation	9/30
12	3.2 Derivatives of Inverse Functions	10/1
13	3.3 Derivatives of Inverse Trig Functions	10/3
14	4.1 Interpreting Derivatives in Context	10/8
15	4.2 Related Rates	10/14
16	4.3 Local Linearization	10/17
17	4.4 L'Hospital's Rule	10/21
18	5.1 Absolute Extrema & the Mean Value Theorem	10/31
19	5.2 Increasing/Decreasing Functions & The First Derivative Test	11/4
20	5.3 Concavity, Points of Inflection, & The Second Derivative Test	11/5
21	5.4 Curve Sketching with Extrema & Points of Inflection	11/5
22	5.5 Graphing Derivatives & Antiderivatives from Graphs	11/7
23	5.6 Optimization	11/8
24	6.1 Antidifferentiation	11/18
25	6.2 Reverse Chain Rule & u-Substitution	11/19

Entry	Topic	Date
26	6.3 Definite Integrals & The Fundamental Theorem of Calculus	11/21
27	6.4 The Second Fundamental Theorem of Calculus	11/22
28	6.5 Integral Approximations & Riemann Sums	12/2
29	6.6 Integrals & Derivatives of Exponential & Natural Logarithmic Functions	12/3
30	6.7 Integration by Parts	12/6
31	6.8 Partial Fractions	12/9
32	6.9 Improper Integrals	12/19
33	7.1 Solving Differential Equations	1/6
34	7.2 Exponential Growth & Decay	1/7
35	7.3 Slope Fields	1/9
36	7.4 Euler's Method	1/13
37	7.5 Logistic Equations	1/21
38	8.1 Rate Graphs & Average Value of a Function	1/23
39	8.2 Area Between Curves	1/24
40	8.3 Volume of Solids with Known Cross Sections	1/28
41	8.4 Shell Method for Volume & Arc Length	1/31
42	9.1 Parametric Equations	2/10
43	9.2 Polar Graphs	2/11
44	9.3 Polar Area & Arc Length	2/24
45	9.4 Vector Definitions	2/25
46	9.5 Vector Valued Functions	2/27
47	10.1 Sequences	3/3
48	10.2 Convergent/Divergent Series, Geometric Series & nth Term Test	3/5