

**Remote Live Streaming:** This class will be given remotely, through Microsoft Teams. It will be Live Streaming, at the scheduled time for your class. Again, attendance during class time is required.

**Course Schedule:** Below is a week-by-week breakdown of course coverage. Schedule is subject to change and email notice will be given.

Week	Dates	Mon/Wed Coverage	Tue/Thur Coverage
1	Jan 11 – 14	<i>Course Intro</i> 1.1 - Limits: A Numerical & Graphical Approach 1.2 - Algebraic Limits and Continuity	<i>Course Intro</i> 1.1 - Limits: A Numerical & Graphical Approach 1.2 - Algebraic Limits and Continuity
2	Jan 18 – 21	<i>Martin Luther King Day</i> 1.3 - Average Rates of Change 1.4 - Differentiation Using Limits of Difference Quotients	1.3 - Average Rates of Change 1.4 - Differentiation Using Limits of Difference Quotients 1.5 - Leibniz Notation & the Power & Sum-Difference Rules
3	Jan 25 – 28	1.5 - Leibniz Notation & the Power & Sum-Difference Rules 1.6 - The Product and Quotient Rules 1.7 - The Chain Rule	1.5 - Leibniz Notation & the Power & Sum-Difference Rules 1.6 - The Product and Quotient Rules 1.7 - The Chain Rule
4	Feb 1 – 4	1.8 - Higher Order Derivatives 2.2 - Derivatives of Exponential (Base-e) Functions 2.3 - Derivatives of Natural Logarithmic Functions	1.8 - Higher Order Derivatives 2.2 - Derivatives of Exponential (Base-e) Functions 2.3 - Derivatives of Natural Logarithmic Functions
5	Feb 8 – 11	<i>Exam #1 (Chapters 1 &amp; 2)</i> 3.1 - Using First Derivatives to Classify Maximum and Minimum Values and Sketch Graphs	<i>Exam #1 (Chapters 1 &amp; 2)</i> 3.1 - Using First Derivatives to Classify Maximum and Minimum Values and Sketch Graphs
6	Feb 15 – 18	3.2 - Using Second Derivatives to Classify Maximum & Minimum Values & Sketch Graphs 3.3 - Graph Sketching: Asymptotes and Rational Functions	3.2 - Using Second Derivatives to Classify Maximum & Minimum Values & Sketch Graphs 3.3 - Graph Sketching: Asymptotes and Rational Functions
7	Feb 22 – 25	3.4 - Optimization: Finding Absolute Maximum & Minimum Values 3.5 - Optimization: Business, Economics, and General Applications	3.4 - Optimization: Finding Absolute Maximum & Minimum Values 3.5 - Optimization: Business, Economics, and General Applications
8	Mar 1 – 4	3.6 - Marginals, Differentials, and Linearization 3.7 - Elasticity of Demand 3.8 - Implicit Differentiation & Logarithmic Differentiation	3.6 - Marginals, Differentials, and Linearization 3.7 - Elasticity of Demand 3.8 - Implicit Differentiation & Logarithmic Differentiation
9	Mar 8 – 11	3.9 - Related Rates <i>Exam #2 (Chapter 3)</i>	3.9 - Related Rates <i>Exam #2 (Chapter 3)</i>
10	Mar 15 – 18	4.1 - Antidifferentiation 4.2 - Antiderivatives as Areas	4.1 - Antidifferentiation 4.2 - Antiderivatives as Areas
	Mar 22 – 26	<b>Spring Break</b>	<b>Spring Break</b>
11	Mar 29 – Apr 1	4.3 - Area & Definite Integrals 4.4 - Properties of Definite Integrals: Additive Property, Average Value & Moving Average 4.5 - Integration Techniques: Substitution	4.3 - Area & Definite Integrals 4.4 - Properties of Definite Integrals: Additive Property, Average Value & Moving Average 4.5 - Integration Techniques: Substitution
12	Apr 5 – 8	<i>Exam #3 (Chapter 4)</i> 5.1 - Consumer and Producer Surplus; Price Floors, Price Ceilings & Deadweight Loss	<i>Exam #3 (Chapter 4)</i> 5.1 - Consumer and Producer Surplus; Price Floors, Price Ceilings & Deadweight Loss
13	Apr 12 – 15	6.1 - Functions of Several Variables 6.2 - Partial Derivatives 6.3 - Maximum-Minimum Problems	6.1 - Functions of Several Variables 6.2 - Partial Derivatives 6.3 - Maximum-Minimum Problems
14	Apr 19 – 22	6.5 - Constrained Optimization: Lagrange Multipliers & the Extreme-Value Theorem <i>Exam #4 (Chapters 5 &amp; 6)</i>	6.5 - Constrained Optimization: Lagrange Multipliers & the Extreme-Value Theorem <i>Exam #4 (Chapters 5 &amp; 6)</i>
15	Apr 26 – 29	<i>Catch up</i> <i>Review for Final Exam</i>	<i>Catch up</i> <i>Review for Final Exam</i>

**Final Exam are schedule by class day/time**  
**Mon/Wed Final Exam will be given on Wednesday, May 5, 1:30 – 3:30**  
**Tue/Thur Final Exam will be given on Tuesday, May 4, 10:15 – 12:15**