

MATH 1500 - Calculus I

Tentative Calendar - FALL 2025 - Dr. Dustin Belt

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<i>Lecture</i>	<i>Discussion</i>	<i>Lecture</i>	<i>Discussion</i>	<i>Lecture</i>
25-Aug-2025	26-Aug-25	27-Aug-25	28-Aug-25	29-Aug-25
1: Intro to the course	College Algebra and Trig Review	2: 1.3-1.5 - Limits	<i>WS-College Algebra Review</i>	3: 1.3-1.5 - Limits
1-Sep-25	2-Sep-25	3-Sep-25	4-Sep-25	5-Sep-25
<i>Labor Day NO CLASSES</i>	<i>DUE: HW's 1, 2, 3 In Class: HW Quiz 1</i>	4: 1.6 - Calculating Limits Using the Limit Laws 1.8 Continuity-Part 1 <i>Last day +/change</i>	<i>WS-Infinite Limits</i>	5: 1.6 - Calculating Limits-0/0 Scenarios
8-Sep-25	9-Sep-25	10-Sep-25	11-Sep-25	12-Sep-25
6: 1.6 - Calculating Limits-Piece-wise Defined Functions/Squeeze Theorem	<i>DUE: HW's 4, 5 In Class: HW Quiz 2</i>	7: 3.4 - Limits at Infinity; Horizontal Asymptotes	<i>WS-Asymptotes</i>	8: 1.8 - Continuity-Part 2 (Discontinuities, Intermediate Value Theorem)
15-Sep-25	16-Sep-25	17-Sep-25	18-Sep-25	19-Sep-25
9: 2.1 - Derivatives & Rates of Change	<i>DUE: HW's 6, 7, 8 In Class: HW Quiz 3</i>	10: 2.2 - The Derivative as a Function	<i>WS-The Definition of the Derivative</i>	11: 2.3 - Differentiation Formulas-The Power Rule and Polynomials
22-Sep-25	23-Sep-25	24-Sep-25	25-Sep-25	26-Sep-25
Exam 1 Review	<i>DUE: HW's 9, 10, 11 In Class: HW Quiz 4</i>	More Exam 1 Review	No Class <i>Exam 1 6:30-7:30 pm. Exam 1 covers sections 1.3-1.6, 1.8, 3.4, 2.1, 2.2, 2.3 Part 1</i>	12: 2.3 - Differentiation Formulas-The Product and Quotient Rules
29-Sep-25	30-Sep-25	1-Oct-25	2-Oct-25	3-Oct-25
13: 2.4 - Derivatives of Trigonometric Functions <i>Last day to drop without a grade</i>	<i>DUE: Exam 1 Reflection, HW 12</i>	14: 2.5 - The Chain Rule	<i>WS-Differentiation Rules</i>	15: 2.5 - Strategies for Differentiation
6-Oct-25	7-Oct-25	8-Oct-25	9-Oct-25	10-Oct-25
16: 2.6 - Implicit Differentiation	<i>DUE: HW's 13, 14, 15 In Class: HW Quiz 5</i>	17: 2.8 - Related Rates	<i>WS-Related Rates</i>	18: 2.9 - Linear Approximation
13-Oct-25	14-Oct-25	15-Oct-25	16-Oct-25	17-Oct-25
19: 3.1 - Maximum and Minimum Values-Critical Numbers and Local Extrema	<i>DUE: HW's 16, 17, 18 In Class: HW Quiz 6</i>	20: 3.1 - Maximum and Minimum Values-The Extreme Value Theorem	<i>WS-Closed Interval Method</i>	21: 3.2 - The Mean Value Theorem
20-Oct-25	21-Oct-25	22-Oct-25	23-Oct-25	24-Oct-25
Exam 2 Review	<i>DUE: HW's 19, 20, 21 In Class: HW Quiz 7</i>	More Exam 2 Review	No Class <i>Exam 2 6:30-7:30pm. Exam 2 covers sections 2.3 Part 2, 2.4, 2.5, 2.8, 2.9, 3.1, 3.2.</i>	22: 3.3 - How Derivatives Affect the Shape of a Graph-1st Derivative Test
27-Oct-25	28-Oct-25	29-Oct-25	30-Oct-25	31-Oct-25
23: 3.3 - How Derivatives Affect the Shape of a Graph-Concavity, 2nd Derivative Test, and Inflection points	<i>DUE: Exam 2 Reflection, HW 22</i>	24: 3.7 - Optimization Problems	<i>WS-Optimization Problems</i>	25: 3.9 - Antiderivatives
3-Nov-25	4-Nov-25	5-Nov-25	6-Nov-25	7-Nov-25
26: 4.1 - Areas and Distances 4.2 - The Definite Integral - Formal Definition	<i>DUE: HW's 23, 24, 25 In Class: HW Quiz 8</i>	27: 4.2 - The Definite Integral - Approximating with Riemann Sums, Basic Properties	<i>WS-Riemann Sums</i>	28: 4.3 - The Fundamental Theorem of Calculus
10-Nov-25	11-Nov-25	12-Nov-25	13-Nov-25	14-Nov-25
29: 4.3 - The Fundamental Theorem of Calculus 4.4 - Indefinite Integrals	<i>Veteran's Day NO CLASSES</i>	30: 4.5 - The Substitution Rule	<i>DUE: HW's 26, 27, 28 In Class: HW Quiz 9</i>	31: 4.5 - The Substitution Rule-Rationalizing Substitutions, Definite Integrals
17-Nov-25	18-Nov-25	19-Nov-25	20-Nov-25	21-Nov-25
Exam 3 Review	<i>DUE: HW's 29, 30, 31 In Class: HW Quiz 10</i>	More Exam 3 Review	No Class <i>Exam 3 6:30 pm - 7:30 pm. Exam 3 covers sections 3.3, 3.7, 3.9, 4.1-4.5</i>	32: 5.1 - Areas Between Curves
24-Nov-25	25-Nov-25	26-Nov-25	27-Nov-25	28-Nov-25
THANKSGIVING RECESS				
1-Dec-25	2-Dec-25	3-Dec-25	4-Dec-25	5-Dec-25
33: 5.2 - Volumes	<i>DUE: Exam 3 Reflection, HW 32</i>	34: 5.4 - Work	<i>WS-Volumes of Revolution</i>	35: 5.5 - Average Values
8-Dec-25	9-Dec-25	10-Dec-25	11-Dec-25	12-Dec-25
Catch Up/Final Exam Review <i>Last day to withdraw</i>	<i>DUE: HW's 33, 34, 35 In Class: HW Quiz 11</i>	Final Exam Review	More Final Exam Review	<i>Reading Day NO CLASSES</i>
15-Dec-25	16-Dec-25	17-Dec-25	18-Dec-25	19-Dec-25
		<i>Final Exam 8:00-10:00 pm</i>		