MATH 1500 - Calculus I

Tentative Calendar - FALL 2019 - Dr. Dustin Belt

NOTE: HW must be submitted by 8:00 AM the morning after the listed due date.

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Lecture	*Discussion*	*Lecture-HW is due tonight (8:00 AM tomorrow)*	*Discussion*	*Lecture*
19-Aug	20-Aug	21-Aug	22-Aug	23-Aug
Intro to the course		1.1-1.3 Functions		1.4-1.5 - The Limit of a Function
26-Aug	27-Aug	28-Aug	29-Aug	30-Aug
1.4-1.5 - The Limit of a Function *Last day +/change*		1.6 - Calculating Limits Using the Limit Laws *DUE: Intro HW* *DUE: HW 1 (1.1-1.3)*		1.6 - Calculating Limits Using the Limit Laws
2-Sept	3-Sept	4-Sept	5-Sept	6-Sept
Labor Day *NO CLASSES*		3.4 - Limits at Infinity; Horizontal Asymptotes *DUE: HW 2 (1.4-1.6)*		1.8 - Continuity
9-Sept	10-Sept	11-Sept	12-Sept	13-Sept
2.1 - Derivatives & Rates of Change		Review *DUE: HW 3 (3.4, 1.8)*	EXAM 1 6:30 - 7:30 pm	*NO CLASS-in exchange for evening Exam 1*
16-Sept	17-Sept	18-Sept	19-Sept	20-Sept
2.2 - The Derivative as a Function		2.3 - Differentiation Formulas *DUE: HW 4 (2.1, 2.2)*		2.3 - Differentiation Formulas
23-Sept	24-Sept	25-Sept	26-Sept	27-Sept
2.4 - Derivatives of Trigonometric Functions *Last day to drop without a grade*		2.5 - The Chain Rule *DUE: HW 5 (2.3)*		Strategies for Differentiation
30-Sept	1-Oct	2-Oct	3-Oct	4-Oct
2.6 - Implicit Differentiation		2.8 - Related Rates *DUE: HW 6 (2.4, 2.5, Strategies)*		2.9 - Linear Approximations
7-Oct	8-Oct	9-Oct	10-Oct	11-Oct
3.1 - Maximum and Minimum Values		3.1 - Maximum and Minimum Values *DUE: HW 7 (2.6, 2.8, 2.9)*		3.3 - How Derivatives Affect the Shape of a Graph
14-Oct	15-Oct	16-Oct	17-Oct	18-Oct
3.3 - How Derivatives Affect the Shape of a Graph		Review *DUE: HW 8 (3.1)*	EXAM 2 6:30 - 7:30 pm	*NO CLASS-in exchange for evening Exam 2*
21-Oct	22-Oct	23-Oct	24-Oct	25-Oct
3.7 - Optimization Problems		3.2 - The Mean Value Theorem *DUE: HW 9 (3.3)*		3.9 - Antiderivatives
28-Oct	29-Oct	30-Oct	31-Oct	1-Nov
4.1 - Areas and Distances		4.2 - The Definite Integral *DUE: HW 10 (3.7, 3.2, 3.9)*		4.3 - The Fundamental Theorem of Calculus
4-Nov	5-Nov	6-Nov	7-Nov	8-Nov
4.3 - The Fundamental Theorem of Calculus 4.4 - Indefinite Integrals		4.5 - The Substitution Rule *DUE: HW 11 (4.1,4.2,4.3 Part I)*		4.5 - The Substitution Rule
11-Nov	12-Nov	13-Nov	14-Nov	15-Nov
5.1 - Areas Between Curves		Review *DUE: HW 12 (4.3 part 2, 4.4, 4.5)*	EXAM 3 6:30 - 7:30 pm	*NO CLASS-in exchange for evening Exam 3*
18-Nov	19-Nov	20-Nov	21-Nov	22-Nov
5.2 - Volumes		5.2 - Volumes *DUE: HW 13 (5.1)*		5.4 - Work
25-Nov	26-Nov	27-Nov	28-Nov	29-Nov
THANKSGIVING RECESS				
2-Dec	3-Dec	4-Dec	5-Dec	6-Dec
Review/Catchup *Last day to withdraw*		Review *DUE: HW 14 (5.2, 5.4)*	*online evals due*	*Reading Day NO CLASSES*
9-Dec	10-Dec	11-Dec	12-Dec	13-Dec
FINAL EXAM 3:00 - 5:00 pm LOCATION: TBA				