Approximate Course Calendar for Mat 1300A

Date	Lecture	Section and Topic	Topics for the Online Text	Practice Problems (examples and exercises)
			section numbers refer to Applied Calculus	
10-Sep	1	REVIEW OF: Interval, functions, transformation of functions, intersections	1.1-1.2	1.1: 1-20 (odd number), 21-23, 25-30 (odd number) 1.2: 1, 3, 13-20, 21, 27, 29
14-Sep	2	REVIEW OF: Linear Function Exponents Quadratics Polynomials and Rational functions Inequality Asymptotes	1.3-1.6	1.3: 1-18 (odd number), 19-24, 25-30 (odd number) 1. 4: 1-24 (odd number) 1.5: 4, 7,11, 13 1.6: 5, 9, 13-26 (odd number)
17-Sep	3	Exponential function Logarithmic function	1.7-1.8	1.7: 1-6 (odd number), 7-16 1.8: 1-28 (odd number), 30, 32
21-Sep	4	Motivation to calculus Limits, one-sided limits Geometric series	precalculus idea 2.1	2.1: Exercise 1, 6, 7, 9
22-Sep		Last day to enrol and to change course selection		More detail in https://www.uottawa.ca/important-academic-dates-and-deadlines/
24-Sep	5	More on Limits: Limits to infinity and limits at infinity Continuity	2.1	2.1: 7, 8, 9
28-Sep	6	The Derivative: Definition & Basic Rules	2.2-2.4	2.2: 1, 5, 6, 8, 12, 17, 20, 21, 26 2.3: 1, 2, 4, 9, 2.4: 1-2, 4, 7, 9
01-Oct	7	Rates of Change: Velocity and Marginal	2.3, 2.6	2.3: 10-14 2.6: 1-6, 11-12, 14-22
02- Oct		Last day to withdraw from a course or an activity and receive a financial credit (less administrative fees).		More detail in https://www.uottawa.ca/important-academic-dates-and-deadlines/
05-Oct	8	The Chain Rule and Implicit Differentiation Higher Order Derivatives	2.5, 2.11	2.5: 1, 4, 5, 7-13 2.11: 1, 3, 4, 5, 7, 8, 11, 14, 15
08-Oct	9	Derivatives of Exp. Functions Derivatives of Log. Functions	2.4	2.4: 10-12
12-Oct		Thanksgiving		

15-Oct		**Midterm 1**		Covers all material up to and including Oct 08 (lec 9)
19-Oct	10	**Applications of the Derivative** Increasing and Decreasing Functions Concavity Relative Extrema Optimization Problems	2.6	2.6: Exercise:7-10
22-Oct	11	**More Applications of the Derivative** Applied Optimization Problems Business and Economics Applications	2.9	2.9: 1, 16-19
26-Oct		Reading week		
29-Oct		Reading week		
02-Nov	12	Curve Sketching	1.6 2.8	1.6: 19-26 (odd number) 2.8: 10-14
05-Nov	13	Definite Integrals Area Between two Curves	3.1,3.2	3.1: 1, 16, 18-20 3.2: 1-8
09-Nov	14	Indefinite Integrals	3.3	3.3: 1-31
12-Nov	15	**Other Applications** Linearization Elasticity	2.10	2.10: 1-5, 7-8
16-Nov		**Midterm 2**		Covers all material up to and including Nov 12 (Lec 15).
19-Nov	16	Integration by Substitution	3.4	3.4: 1-12
20-Nov		Last day to withdraw from a course or an activity (no financial credit).		More detail in https://www.uottawa.ca/important-academic-dates-and-deadlines/
23-Nov	17	Integration by Parts	3.5	3.5: 1-14
26-Nov	18	Applications	3.6-3.8	3.6: 16-17 3.7: 1-9 3.8: 1-28
30-Nov	19	Improper Integrals		
03-Dec	20	Functions of two variable Partial Derivatives	4.1-4.2	4.1: 2,3,5,11, 13, 19, 21, 23 4.2: 1-17, 19, 20
07-Dec	21	Extrema of Functions of Two Variables	4.3	4.3: 1-10, 13-18
09-Dec	22	Review		
TBA		**Final Exam**		**Covers all material**

The approximate course calendar may be changed.