MTH 131 Course Calendar Fall 2018

Below is an approximate timetable for the course. Your class may be slightly ahead or behind at any given time. Any adjustments will be announced in class.

Week of	Content	Suggested Problems
9/3	**Gateway Exam First Day of Class** 1.1 What is a Function?	 (1.1) 7,9,11,13,14,15,21,22,25
9/10	1.2 Linear Functions 1.3 Average Rate of Change 1.5 Exponential Functions	(1.2) 1-17 odd,21,25 (1.3) 1,3,4,7,9,11,13,15,21,27,30,31,33 (1.5) 1-7 odd,11,17,23,24,29,33
9/17	1.6 The Natural Logarithm 2.1 Instantaneous Rate of Change	(1.6) 1,7,9,11,15,16,21,odd 25, 33, 36, 43,47 (2.1) 3,4,5,9,11,17,19,20,21
9/24	2.2 The Derivative Function Chapter 2 - Focus on Theory (Limits, Continuity, and the Definition of the Derivative)	(2.2) 1-9 odd, 18-21,27 (Page 135) 1,3,5,9,11,13,15,17,19,21, 27,35,37,39
10/1	2.3 Interpretations of the Derivative 2.4 The Second Derivative 3.1 Derivative Formulas for Powers & Polynomials	(2.3) 5,7,11,15,17,23,29,31 (2.4) 1,2,3,11,13,17,20,23 (3.1) 1-37 odd, 47,49,51,53,62
10/8	*Columbus Day Monday 10/8 (NO CLASS)* **Exam 1 Wednesday 10/10 from 6-7:45 PM in Chafee 271** 3.2 Exponential & Logarithmic Functions	 (3.2) 1-27 odd,37,41,45,47
10/15	3.3 The Chain Rule 3.4 The Product & Quotient Rules 3.5 The Derivatives of Periodic Functions	(3.3) 1-27,34,37,49 (3.4) 1,3-31,35 (3.5) 1-25 odd
10/22	Chapter 3 Focus on Practice: Differentiation 4.1 Local Maxima & Minima 4.2 Inflection Points	(Page 165) 15,21,35,37,43,49,61,62,71 (Page 174) 1-63 odd (4.1) 3,8,9,10,11,15,17,20,33 (4.2) 10,11-23 odd
10/29	4.3 Global Maxima & Minima 5.1 Distance & Accumulated Change	(4.3) 9,16-19,23,27,29 (5.1) 3-15 odd, 19,29,31
11/5	**Exam 2 Wednesday 11/7 from 6-7:45 PM in Chafee 271** 5.2 The Definite Integral 5.3 The Definite Integral as Area	 (5.2) 1,3,5,7,9,11,15,19,21,31 (5.3) 1-13 odd,19,21,25,27,29
11/12	*Veteran's Day Monday 11/12 (NO CLASS)* *Monday classes meet Tuesday 11/13* 5.4 Interpretations of the Definite Integral 5.5 Total Change & the Fundamental Theorem of Calculus	 (5.4) 1,5,7,9,11,13,17,18,24 (5.5) 1,14,15
11/19	6.1 Analyzing Antiderivatives Graphically & Analytically *Thanksgiving Recess Starts Wed 11/21*	(6.1) 5,7,8,21,22,23,24
11/26	6.2 Antiderivatives & the Indefinite Integral 6.3 Using the Fundamental Theorem of Calculus to Find Definite Integrals 5.6 Average Value	(6.2) 1-9 odd,12,15-73 odd (6.3) 1-21,25 (5.6) 1,3,4,5,10,11
12/3	**Exam 3 Wednesday 12/5 from 6-7:45 PM in Chafee 271** 4.7 Logistic Growth 4.8 The Surge Function & Drug Concentration	 (4.7) 1,7,8,13,14 (4.8) 1,3,6,8
12/10	Review *Last Day of Classes Tuesday 12/11*	