MTH 131 Course Calendar Spring 2019

Below is an approximate timetable for the course. Your section may be slightly ahead or behind this schedule at any given time. Adjustments will be announced in class as needed.

Week of	Content	Suggested Problems
1/21	*Classes Begin Wednesday 1/23* **Gateway Exam First Day of Class** 1.1 What is a Function?	(1.1) 7,9,11,13,14,15,21,22,25
1/28	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
2/4	1.6 The Natural Logarithm 1.10 Periodic Functions 2.1 Instantaneous Rate of Change	(1.6) 1,7,9,11,15,16,21,odd 25, 33, 36, 43,47 (1.10) 1,3,5,9,11,17,19,21,25,29 (2.1) 3,4,5,9,11,17,19,20,21
2/11	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
2/18	2.3 Interpretations of the Derivative 2.4 The Second Derivative 3.1 Derivative Formulas for Powers and 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
2/25	**Exam 1 Wed. 2/27 6-7:30 P.M. in Chafee 271** 3.2 Exponential and Logarithmic Functions 3.3 The Chain Rule	(3.2) 1-27 odd,37,41,45,47 (3.3) 1-27,34,37,49
3/4	3.4 The Product and Quotient Rules 3.5 The Derivatives of Periodic Functions Chapter 3 Focus on Practice: Differentiation	(3.4) 1,3-31,35 (3.5) 1-25 odd (Page 165) 15,21,35,37,43,49,61,62,71 (Page 174) 1-63 odd
3/11	*Spring Break*	
3/18	4.1 Local Maxima and Minima 4.2 Inflection Points 4.3 Global Maxima and Minima	(4.1) 3,8,9,10,11,15,17,20,33 (4.2) 10,11-23 odd (4.3) 9,16-19,23,27,29
3/25	**Exam 2 Wed. 3/27 6-7:30 P.M. in Chafee 271**	
4/1	5.1 Distance and Accumulated Change 5.2 The Definite Integral 5.3 the Definite Integral as Area	(5.1) 3-15 odd, 19,29,31 (5.2) 1,3,5,7,9,11,15,19,21,31 (5.3) 1-13 odd,19,21,25,27,29
4/8	5.4 Interpretations of the Definite Integral 5.5 Total Change & the Fundamental Theorem of Calculus 6.1 Analyzing Antiderivatives Graphically & Analytically	(5.4) 1,5,7,9,11,13,17,18,24 (5.5) 1,14,15 (6.1) 5,7,8,21,22,23,24
4/15	6.2 Antiderivatives & the Indefinite Integral 6.3 Using the Fundamental Theorem of Calculus to Find Definite Integrals	(6.2) 1-9 odd,12,15-73 odd (6.3) 1-21,25
4/22	**Exam 3 Wed. 4/24 6-7:30 P.M. in Chafee 271** 4.7 Logistic Growth 4.8 The Surge Function and Drug Concentration 5.6 Average Value	(4.7) 1,7,8,13,14 (4.8) 1,3,6,8 (5.6) 1,3,4,5,10,11
4/29	Review *Last Day of Classes Tuesday 4/30*	