MTH 131 Course Calendar Fall 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
9/2	*Classes Begin Wednesday 9/4* **Gateway Exam First Day of Class** 1.1 What is a Function?	(1.1) 1,7,8,9,12,16,22,23,33
9/9	1.2 Linear Functions 1.3 Average Rate of Change 1.5 Exponential Functions	(1.2) 1-7 odd, 9-13,15,16,25,27,31 (1.3) 7-9,17-21 odd,27,31 (1.5) 1,4,6-9,11,15,17,20-23,25-35 odd
9/16	1.6 The Natural Logarithm 1.10 Periodic Functions 2.1 Instantaneous Rate of Change	(1.6) 1,7,11,15,16,19-23 odd,31,33,35,41-45 odd (1.10) 1,5,9,11,13,18,23,25,27,34,35 (2.1) 1,3-7,10-13,17,20,21,26,29,30,36
9/23	2.2 The Derivative Function Chapter 2 – Focus on Theory (Limits, Continuity, and the Definition of the Derivative)	(2.2) 1-9 odd,10,15,18-25,27 (Page 171) 1,4,10 (Page 172) 1,4,7,10,13,16,19,21,24,27,30,33,36,39,41
9/30	Chapter 2 – Focus on Theory (continued) 2.3 Interpretations of the Derivative 2.4 The Second Derivative	(2.3) 5,6,7,9,29,31,34,35 (2.4) 1,2,4,7,9,10-13,15,21,23,26
10/7	**Exam 1 Wed. 10/9 6-7:30 P.M. in Chafee 271** 3.1 Derivative Formulas for Powers and Polynomials 3.2 Exponential and Logarithmic Functions	 (3.1) 1-37 odd, 47,49,51,53,62 (3.2) 1-27 odd,37,41,45,47
10/14	*No Class Columbus Day Monday 10/14* *Monday classes meet Tuesday 10/15* 3.3 The Chain Rule 3.4 The Product and Quotient Rules	 (3.3) 1-27,34,37,49 (3.4) 1,3-31,35
10/21	3.5 The Derivatives of Periodic Functions Chapter 3 Focus on Practice: Differentiation 4.1 Local Maxima and Minima	(3.5) 1-25 odd (Page 165) 15,21,35,37,43,49,61,62,71 (Page 174) 1-63 odd (4.1) 3,4,22,23,25,30,42
10/28	4.2 Inflection Points 4.3 Global Maxima and Minima	(4.2) 10,11-23 odd (4.3) 1,9,16-19,22-24,39-45 odd
11/4	**Exam 2 Wed. 11/6 6-7:30 P.M. in Chafee 271** 5.1 Distance and Accumulated Change 5.2 The Definite Integral	 (5.1) 3-15 odd, 19,29,31 (5.2) 1-6,7-21 odd,27-33 odd
11/11	*No Class Veteran's Day Monday 11/11* 5.3 the Definite Integral as Area 5.4 Interpretations of the Definite Integral	 (5.3) 1-13 odd,19-25 odd,34,35 (5.4) 1-11 odd, 17, 21,25,31
11/18	5.5 Total Change & the Fundamental Theorem of Calculus 6.1 Analyzing Antiderivatives Graphically & Analytically 6.2 Antiderivatives & the Indefinite Integral	(5.5) 1,6,14,15 (6.1) 1-7 odd,8,10,22,24,25,29,31 (6.2) 1-9 odd,12,13-81 odd
11/25	*Thanksgiving Recess begins 11/27* 6.3 Using the Fundamental Theorem of Calculus to Find Definite Integrals 5.6 Average Value	 (6.3) 1-20, 35-81 odd (5.6) 1,3-5,10,11
12/2	**Exam 3 Wed. 12/4 6-7:30 P.M. in NEW ROOM(S):** • **Sections 1,3,4,5,7 in Beaupre 100** • **Sections 2,6,8,9 in Avedisian 170** 4.7 Logistic Growth 4.8 The Surge Function and Drug Concentration	 (4.7) 10,11,15,17 (4.8) 1,4,7,11
12/9	Review *Last Day of Classes Tuesday 12/10*	