BC Calculus — August 2023 — Class Calendar

Monday	Tuesday	Wednesday	Thursday	Friday
7 Day 1 Course Intro (Syllabus/ Course Overview) Ch. 1.1 Introducing Calculus, Rates of Change , Defining Limits and and Properties HW: pg. 85-89 #25-41 odds, 37, 41, AP Practice 1-8 all	8 1.2 Techniques for finding Limits (Algebraic, Numeric, Graph) HW: Pg. 99-102 #31-49 odds, 53, 59, 73,75,79,85, 89, AP Practice 1-8 all	9 1.3 – Types of Discontinuity & Continuity conditions HW: pg. 112-117 #13,15,17,25,29,35,37, 45, AP Practice 1-5 all	10 1.3b Notes - Intermediate Value Theorem (IVT) & 1.4 Squeeze Theorem HW: pg. 112-117 #59,63,73, AP Problems 6-11 all **Pg. 125 (1.4) #3,5-8 all**	11 1.5 Notes – Infinite Limits (V.A.) and Limits at Infinity (H.A.) HW: Pg. 140-143 #9-23 odds, 27-49 odds, 59,60,73, AP Practice 1-11 all
14 Ch. 1 Test Review Day 1 HW: Pg. 159 AP Practice 1-11 all (skip 4,10)	15 Ch. 1 Test Review Day 2	16 2.1 Notes (Not on Ch. 1 Test) Equations of tangent line, Avg velocity vs instantaneous velocity HW: Pg. 168-171 #17-29 odd	17 **Ch.1 Test - Limits**	18 2.2 —Limit definition of a derivative and graphing derivative functions. HW: Pg. 182-183 AP Practice #1-11 all
21 2.3a – Derivative of Polynomial (Power Rule) HW: Pg. 190-193 #7-21 odd, 33,37,47,57,61,63	22 2.3b - Derivatives of exponential e^x and logarithmic ln(x) functions HW: Pg. 190-193 #23,25,35,39,59, AP Practice 1-11 all	23 2.4 - Product Rule and Quotient Rule HW: Pg. 202-207 #9,23-37 odd, 69,71,81, AP Practice 1-9 all	24 2.5 – Derivatives of Trig Functions HW: Pg. 212-214 #17-35 odd, 49, 55, AP Practice 1-10 all	25 Ch. 2.1-2.5 Quiz Review HW: Pg. 220 AP Practice 1-11 all Pg. 221 AP Practice 1-10 all
28 Ch. 2.1-2.5 Quiz Review	29 3.1 – Chain Rule HW: Pg.231-235 19-45 odd, 55,57, 75, AP Practice 1-14 all	30 **Chapter 2.1-2.5 Quiz**	31 3.2 – Implicit Differentiation HW: Pg. 242-245 #9-17 odd, 23,25,31,39,47-51 odd	Sept 1 3.2 – Implicit Differentiation Day 2 And 3.3a – Derivative of Inverse at a point HW: Pg. 242-245 #53-59 odd, 71,77, AP Practice 1-10 all