

AP Calculus Pacing Guide 2017-2018
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	Unit Lessons	AP Cal Objective(s)
Week 1	Unit 1: Graphical Limits, Algebraic Limits	1.1A, 1.1B, 1.1C, 1.1D
Week 2	Unit 1: Trig Limits, Continuity	1.2A
Week 3	Unit 1: Review & Test, Cumulative Review Problems	
Week 4	Unit 2: Average Rate of Change, Instantaneous Rate of Change, Derivative Definition, Derivative Rules	2.1A, 2.1B, 2.3A
Week 5	Unit 2: Chain Rule, Tabular Data, Equations of Tangent Lines	2.1C, 2.3B
Week 6	Unit 2: Continuity & Differentiability, Rectilinear Motion (PVA), Intermediate Value Theorem	1.2B, 2.2B
Week 7	Unit 2: L'Hospital's Rule, Review & Test, Cumulative Review Problems	1.1C
Week 8	Unit 3: Higher Order Derivatives, Number Line Analysis, Graphs of a Function and it's Derivative	2.1D, 2.2A
Week 9	Unit 3: Graphs of a Derivative and it's Function, Mean Value Theorem	2.4A
Week 10	Unit 3: Additional PVA, Review & Test, Cumulative Review Problems	2.3C
Week 11	Unit 4: Tangent Line Approximations, Extreme Value Theorem, Optimization	2.3C
Week 12	Unit 4: Additional Optimization, Extreme Value Theorem & Tangent Lines	2.3C
Week 13	Unit 4: Review & Test, Cumulative Review Problems	
Week 14	Unit 5: Implicit Differentiation, Horizontal and Vertical Slopes	2.3D
Week 15	Unit 5: Derivatives of Inverse Functions, Inverse Trig Derivatives, Related Rates	2.3C
Week 16	Unit 5: Additional Related Rates, Review & Test	

Week 17	SEMESTER REVIEW	
Week 18	SEMESTER EXAM	
Week 19	Unit 6: Integration & Antiderivatives, Techniques of Integration	3.1A
Week 20	Unit 6: U-substitution, Additional Techniques of Integration	3.3B
Week 21	Unit 6: Integration with PVA	3.4C
Week 22	Unit 6: Review & Test, Cumulative Review Problems	
Week 23	Unit 7: Differential Equations, Exponential Growth/Decay	2.3E, 3.5A
Week 24	Unit 7: Writing Differential Equations, Slope Fields	3.5B
Week 25	Unit 7: Review & Test, Cumulative Review Problems	
Week 26	Unit 8: Area Under Curve, Riemann Sums, Trapezoidal Sums	3.2A, 3.2C
Week 27	Unit 8: Riemann Sums to Definite Integrals, Fundamental Theorem of Calculus, Total Distance and Average Value	3.2A, 3.2B, 3.2C, 3.4A, 3.4B
Week 28	Unit 8: 2 nd Fundamental Theorem of Calculus, Review & Test	3.3A
Week 29	Unit 9: Area Between Curves, Volume with Known Cross Sections	3.4D, 3.4E
Week 30	Unit 9: Volume with Revolution, Review & Test	
Week 31-34	AP EXAM REVIEW	
Week 35	AP EXAM	
Week 36	SEMESTER EXAM	

***For a list of the AP Cal Objective(s), see pages 11-20 of the [AP Course and Description Book \(click here\)](#)