

	MC Exam Weighting (BC)	Recommended Class Periods
Unit 1: Limits and Continuity	4-7%	Junior Yr.
Unit 2: Differentiation: Definition and Fundamental Properties	4-7%	Junior Yr.
Unit 3: Differentiation: Composite, Implicit, and Inverse Functions	4-7%	8-9
Unit 4: Contextual Applications of Differentiation	6-9%	6-7
Unit 5: Analytical Applications of Differentiation	8-11%	10-11
Unit 6: Integration and Accumulation of Change	17-20%	15-16
Unit 7: Differential Equations	6-9%	9-10
Unit 8: Applications of Integration	6-9%	13-14
Unit 9: Parametric Equations, Polar Coordinates, and Vector-Valued Functions	11-12%	10-11
Unit 10: Infinite Sequences and Series	17-18%	17-18
		Total: 96 days

- 2018 – 2019 (Pre-Covid), we had 110 uninterrupted instructional days before AP Exam. This does NOT include review, testing or AP Exam review days
- 2019-2020, the AP Exam is ONE week earlier

AB Topics		BC Topics
1. Limits	19. Absolute extrema	1. L'Hospital's Rule
2. Rates of change	20. Optimization	2. Integration by Parts
3. Derivative by Definition	21. Basic integration	3. Integration using Partial Frac
4. Basic Derivatives	22. Integration w/substitution	4. Improper Integrals
5. Equations of tangent lines	23. Integration w trig	5. Euler's Method
6. Derivative of trig functions	24. Integration w/ln & e	6. Logistic Growth
7. Chain rule	25. Definite Integrals as Area	7. Arc Length
8. Local linear approximation	26. Riemann sums & trap rule	8. Parametric Equations
9. Implicit differentiation	27. Fund. Thm. Of Calculus	9. Vector Functions
10. Derivatives of ln & exp	28. Accumulation function	10. Polar Curves
11. Horizontal & Vertical tangents	29. Integrals of rates of change	11. Taylor Polynomials
12. Differentiability	30. Average value of functions	12. Infinite Series
13. Intermed Val, Rolles', MVT	31. Motion using integrals	13. Error Bounds
14. Inverses	32. Inverse trig	14. Power Series
15. Related Rates	33. Area	15. Taylor, Manipulation of Series
16. Straight-line motion	34. Volume	
17. Function analysis	35. Slope fields/DEQ's	
18. 2nd derivative test	36. Growth Problems	