

### AP Calculus – Cronograma de noviembre, 2019

	<i>Day</i>	<i>First class</i>	<i>Second class</i>	<i>HW</i>
<i>Week 1</i>	28	Limits	Properties of limits	Section 2.1: 8, 9, 25-29, 43-44, 73-76
	29	Limits involving infinity	Problem solving	Section 2.1: 30-33, 55-56
	30	Continuity	Intermediate value theorem	Section 2.2: 7, 8, 13-16, 27-28, 41-43 (part b only)
	31	Review	Test 1 (rest as HW)	Section 2.3: 1-4, 7, 9, 11-20, 24, 48-49
<i>Week 2</i>	4	Average rate of change	Slope and tangent lines	Section 2.4: 9-12(a, b, and d only)
	5	Limit definition of derivative	Derivative graphs and differentiability	Section 3.1: 13-16; Section 3.2: 5-10, 12-16
	6	Derivative rules	Horizontal tangent lines	Section 3.3: 7-11
	7	Review	Lab 1	
	8	Higher order deriv., three slope form.	"	
<i>Week 3</i>	11	Product and quotient rules	Position and velocity graphs	Section 3.3: 13-18, 21-24
	12	Motion and rations of change	Trigonometric derivatives	Section 3.4: 9-11, 18
	13	Left/right-hand derivatives	Review	Section 3.5: 26, 1-10, 46-48
	14	Test 2	"	Page 149: 39-42, 49-52
	15	The chain rule	Derivative techniques	Page 148-149: 1-17odd, 21-29odd, 30. Section 4.1: 13-24
<i>Week 4</i>	18	Implicit differentiation	"	Section 4.2: 1-3, 5-9, 19. Section 4.2: 20-22, 27-30, 61-64
	19	Review	Lab 2	Page 169: Quick Quiz: 1, 2; Section 4.1: 58
	20	Inverse trig. derivatives	Exp and log derivatives	Section 4.4: 1-4, 7, 8, 10, 11, 13, 15, 16, 19, 21, 22
	21	Review	Page 186-187: 1-17	Page 186-187: 23, 27, 29, 35-40, 47-48
	22	Test 3	"	
<i>Week 5</i>	25	Extreme value theorem	Finding extreme values	Section 5.1: 1-10
	26	Extreme values and intervals	Concavity and inflection points	
	27	Review	Connecting 1st, 2nd and 3rd derivative	Page 222: Quick Quiz: 4. Section 5.3: 21, 23-24, 33
	28	Lab 3	Mean value theorem	Section 5.2: 1-4, 11
	29	Linearization	Optimization	Section 5.4: 3, 6, 7, 9

For further practice, consult <https://www.khanacademy.org/math/ap-calculus-ab>  
HWs refer to *Calculus: Graphical, Numerical, Algebraic, 3rd Edition*