

Calendar for Calculus (2019 - 2020) Scope and sequence

1st quarter 2019

Date **Section** **Concepts taught** (for problems given see additional document)

Chapter 1 Prerequisites for Calculus

8/19	1.1 & Pre-Calculus Review	Lines
8/20	1.2	Functions and Graphs
8/21	1.3	Exponential Functions
8/22	1.4 & Quiz	Parametric Equations
8/23	1.5	Functions and Logarithms
8/26	1.6	Trigonometric Functions
8/27	Review Chapter 1	
8/28	Exam 1	

Chapter 2 Limits and Continuity

8/29	2.1	Rates of change and limits
8/30	2.2	limits involving infinity
9/3	2.3 & Quiz	continuity
9/4	2.4	rates of change and tangent lines
9/5	Review Chapter 2/ Quiz	
9/6	Exam 2	

Chapter 3 Derivatives

9/9 – 9/10	3.1	Derivative of a function
9/11 – 9/12	3.2	Differentiability
9/13 – 9/16	3.3	Rules for differentiation
9/17 – 9/18	3.4 & Quiz	Velocity and other rates of change
9/19 – 9/20	3.5	Derivatives of trigonometric functions
9/23	Review	
9/24	Exam 3	

Chapter 4

9/26 – 9/27	4.1	Chain Rule
9/30– 10/1	4.2	Implicit Differentiation
10/2 – 10/3	4.3 & Quiz	Derivatives of Inverse Trigonometric functions
10/4 – 10/7	4.4	Derivatives of exponential and logarithmic functions
10/8	Review Chapter 4	
10/9	Exam 4	

Chapter 5: Applications of Derivatives

10/10 – 10/11	5.1	Extreme Values of Functions
10/14 – 10/15	5.2	Mean Value Theorem
10/16 – 10/17	5.3	Connecting f' , and f'' with the Graph of f
10/18 – 10/30	5.4 & Quiz	Modeling and Optimization

End of Quarter 1

No school Dates:

Monday, 9/2 Labor Day

Wednesday, 9/25 PT Conferences

Monday - Friday 10/21 – 10/25 Fall Break

Monday, 10/28 Grade transmittal day