



Calculus Semester One Pace Chart Fall 2021

Week	Dates	Assignments
1	08/16 – 08/20	01.00 Module One Checklist 01.01 Course Introduction 01.02 Introduction to Calculus 01.03 Review of Function Terminology and More
2	08/23– 08/27	01.04 Graphing Calculators 01.05 Compositions and Transformations of Functions 01.06 Some Common Functions
3	08/30– 09/03	01.07 Discussion-Based Assessment 01.08 Module One Practice Test
4	09/07 – 09/10	01.09 Module One Test 02.00 Module Two Checklist 02.01 Introduction to Limits
5	09/13 – 09/17	02.02 Properties of Limits 02.03 Limits Involving Infinity 02.04 Continuity
6	09/20 – 09/24	02.05 Applications of Limits 02.06 Discussion-Based Assessment 02.07 Module Two Practice Test
7	09/27 – 10/01	02.08 Module Two Test 03.00 Module Three Checklist 03.01 The Derivative
8	10/04 – 10/08	03.02 Rules of Differentiation 03.03 Trigonometric Derivatives and the Chain Rule 03.04 Inverse Functions
9	10/11 – 10/15	03.05 Exponential and Logarithmic Functions 03.06 Derivatives of Exponential, Logarithmic, & Inverse Trig Functions 03.07 Implicit Differentiation
10	10/18 – 10/22	03.08 Discussion-Based Assessment 03.09 Module Three Practice Test

11	10/25 – 10/29	03.10 Module Three Test 04.00 Module Four Checklist 04.01 Analyzing Functions Part I: Curve Sketching
12	11/01 – 11/05	04.02 Analyzing Functions Part II: Maximums and Minimums 04.03 Applied Maximum and Minimum Problems 04.04 Distance, Velocity, Acceleration, and Rectilinear Motion
13	11/08 – 11/12	04.05 Related Rates 04.06 The Mean-Value Theorem & L'Hôpital's Rule 04.07 Linearization
14	11/15 – 11/19	04.08 Discussion-Based Assessment 04.09 Module Four Practice Test
15	11/22-11/27	Thanksgiving break: make up work as needed
16	11/29 – 12/03	04.10 Module Four Test 04.11 Segment One Practice Exam
17	12/06– 12/10	04.12 Segment One Exam
18	12/13-12/15	Grades submitted to schools



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Week	Dates	Assignments
1	08/16- 08/20	05.00 Module Five Checklist and Pretest 05.01 Area Approximation and Riemann Sums 05.02 Introduction to the Definite Integral
2	08/23- 08/27	05.03 The Fundamental Theorem of Calculus 05.04 Integrals and Antiderivatives
3	08/30- 09/03	05.05 Integration by Substitution 05.06 The Definite Integral
4	09/07- 09/10	05.07 Discussion-Based Assessment 05.08 Module Five Practice Test
5	09/13 – 09/17	05.09 Module Five Test 06.00 Module Six Checklist and Pretest 06.01 Finding the Area Under and Between Curves
6	09/20- 09/24	06.02 Volume by Discs (Slicing) 06.03 Average Value of a Function and Rectilinear Motion Revisited 06.04 Discussion-Based Assessment
7	09/27-10/01	06.05 Module Six Practice Test 06.06 Module Six Test
8	10/04- 10/08	07.00 Module Seven Checklist and Pretest 07.01 Differential Equations—An Introduction
9	10/11- 10-15	07.02 Initial Value Problems and Slope Fields 07.03 Numerical Approximation Methods with Integrals
10	10/18- 10/22	07.04 Discussion-Based Assessment 07.05 Module Seven Practice Test
11	10/25- 10/29	07.06 Module Seven Test 08.00 Module Eight Checklist and Pretest
12	11/01 – 11/05	08.01 Exploring the Graphs of f , f' , and f''
13	11/08 – 11/12	08.02 Relative Rates of Growth 08.03 Using Calculus with Data in a Table 08.04 Functions Defined By Integrals
14	11/15-11/19	08.05 Discussion-Based Assessment 08.06 Module Eight Practice Test
15	11/22-11/27	Thanksgiving break: make up work as needed
16	11/29- 12/03	08.07 Module Eight Test 08.08 Segment Two Practice Exam
17	12/06- 12/10	08.09 Segment Two Exam
18	12/13-15	Grades submitted to schools