Les	son	Course
Chap	eter P: Preparation for Calculus	
P.1	Graphs and Models	AB/BC
P.2	Linear Models and Rates of Change	AB/BC
P.3	Functions and Their Graphs	AB/BC
P.4	Inverse Functions	AB/BC
P.5	Exponential and Logarithmic Functions	AB/BC
Chap	oter 1: Limits and Their Properties	
1.1	A Preview of Calculus	AB/BC
1.2	Finding Limits Graphically and Numerically	AB/BC
1.3	Evaluating Limits Analytically	AB/BC
1.4	Continuity and One-Sided Limits	AB/BC
1.5	Infinite Limits	AB/BC
1.6	Limits at Infinity	AB/BC
Chap	oter 2: Differentiation	
2.1	The Derivative and the Tangent Line Problem	AB/BC
2.2	Basic Differentiation Rules and Rates of Change	AB/BC
2.3	Product and Quotient Rules and Higher-Order Derivatives	AB/BC
2.4	The Chain Rule	AB/BC
2.5	Implicit Differentiation	AB/BC
2.6	Derivatives of Inverse Functions	AB/BC
2.7	Related Rates	AB/BC
2.8	Newton's Method	AB/BC
Chap	oter 3: Applications of Differentiation	
3.1	Extrema on an Interval	AB/BC
3.2	Rolle's Theorem and the Mean Value Theorem	AB/BC
3.3	Increasing and Decreasing Functions and the First Derivative Test	AB/BC
3.4	Concavity and the Second Derivative Test	AB/BC
3.5	A Summary of Curve Sketching	AB/BC
3.6	Optimization Problems	AB/BC
3.7	Approximation and Differentials	AB/BC
Chap	oter 4: Integration	
4.1	Antiderivatives and Indefinite Integration	AB/BC
4.2	Area	AB/BC
4.3	Riemann Sums and Definite Integrals	AB/BC
4.4	The Fundamental Theorem of Calculus	AB/BC
4.5	The Net Change Theorem	AB/BC
4.6	Integration by Substitution	AB/BC
4.7	The Natural Logarithmic Function: Integration	AB/BC
4.8	Inverse Trigonometric Functions: Integration	AB/BC

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Lesson Course Chapter 5: Differential Equations				
		A D/D/C		
5.1	Slope Fields and Euler's Method	AB/BC		
5.2	Growth and Decay	AB/BC		
5.3	Separation of Variables	AB/BC		
5.4	The Logistic Equation	ВС		
Cha	pter 6: Applications of Integration			
6.1	Area of a Region Between Two Curves	AB/BC		
6.2	Volume: The Disk and Washer Methods	AB/BC		
6.3	Volume: The Shell Method	AB/BC		
6.4	Arc Length and Surfaces of Revolution	BC		
Cha	pter 7: Integration Techniques, L'Hôpital's Rule, and Improper Integrals			
7.1	Basic Integration Rules	AB/BC		
7.2	Integration by Parts	ВС		
7.3	Trigonometric Integrals	BC		
7.4	Trigonometric Substitution	BC		
7.5	Partial Fractions	BC		
7.6	Integration by Tables and Other Integration Techniques	BC		
7.7	Indeterminate Forms and L'Hôpital's Rule	AB/BC		
7.8	Improper Integrals	BC		
Cha	pter 8: Infinite Series			
8.1	Sequences	ВС		
8.2	Series and Convergence	BC		
8.3	The Integral Test and <i>p</i> -Series	BC		
8.4	Comparisons of Series	BC		
8.5	Alternating Series	BC		
8.6	The Ratio and Root Tests	BC		
8.7	Taylor Polynomials and Approximations	BC		
8.8	Power Series	BC		
8.9	Representation of Functions by Power Series	BC		
8.10	Taylor and Maclaurin Series	BC		
Cha	pter 9: Parametric Equations, Polar Coordinates, and Vectors			
9.1	Conics and Calculus	BC		
9.2	Plane Curves and Parametric Equations	BC		
9.3	Parametric Equations and Calculus	BC		
9.4	Polar Coordinates and Polar Graphs	ВС		
9.5	Area and Arc Length in Polar Coordinates	ВС		
9.6	Vectors in the Plane	ВС		
9.7	Vector-Valued Functions	ВС		
9.8				
9.4 9.5 9.6 9.7	Polar Coordinates and Polar Graphs Area and Arc Length in Polar Coordinates Vectors in the Plane	BC BC BC		