

AP Calculus BC CED → Battaglia Correlation Table

Unit 1: Limits and Continuity

CED Topic	Battaglia Sections
Limits (numerical, graphical, analytic)	P.4, P.5, 1.1
Limit laws	1.2
Continuity	1.3
Intermediate Value Theorem	1.4

Unit 2: Differentiation – Definition & Basic Rules

CED Topic	Battaglia Sections
Definition of derivative	2.1
Differentiability & continuity	2.2
Power, product, quotient rules	2.3–2.4
Derivatives of trig functions	2.5

Unit 3: Composite, Implicit, Inverse Functions

CED Topic	Battaglia Sections
Chain rule	2.6
Implicit differentiation	2.7
Inverse functions	2.8
Inverse trig derivatives	2.9

Unit 4: Contextual Applications of Differentiation

CED Topic	Battaglia Sections
Rates of change	3.1
Motion problems	3.2
Related rates	3.3

Unit 5: Analytical Applications of Differentiation

CED Topic	Battaglia Sections
Mean Value Theorem	3.4
Increasing/decreasing	3.5
Concavity & inflection	3.6
Curve sketching	3.7
Optimization	3.8
L'Hôpital's Rule	3.9

Unit 6: Integration and Accumulation

CED Topic	Battaglia Sections
Antiderivatives	4.1
Riemann sums	4.2
Fundamental Theorem of Calculus	4.3
Definite integrals	4.4
Substitution	4.5

Unit 7: Differential Equations

CED Topic	Battaglia Sections
Differential equations	5.1
Slope fields	5.2
Separation of variables	5.3
Exponential models	5.4

Unit 8: Applications of Integration

CED Topic	Battaglia Sections
Area between curves	6.1
Volume (disks/washers)	6.2
Volume (shells)	6.3
Average value	6.4

Unit 9: Parametric, Polar, Vector Functions

CED Topic	Battaglia Sections
Parametric equations	7.1
Polar coordinates	7.2
Polar area	7.3
Vector-valued functions	7.4

Unit 10: Infinite Sequences and Series

CED Topic	Battaglia Sections
Sequences	8.1
Series	8.2
Convergence tests	8.3–8.5
Power series	8.6
Taylor/Maclaurin series	8.7