

Calculus AB

Scope and Sequence 2026-2027

Course Description:

The courses follow the AB outline prescribed by the College Board and, as such, the Calculus AP test given in May for college placement is encouraged. Limits of functions, continuity, and derivatives are studied in detail. Both indefinite and definite integrals are explored, with applications to area and volume. The antiderivative, sequences and series, and differential equations are also included along with analytic geometry. The student will study the line, vectors in a plane, the circle, conics, relations, functions and their graphs, the intersections of loci, non-linear inequalities in the plane, parametric equations, polar coordinated, and solid analytic geometry. Computers and graphing calculators will be used extensively.

College Board Course Description: [Calculus AB](#)

Instructional Units	Days**	
First Semester (80 days)	Start Date	End Date
1st Grading Period	08/12/2025	10/08/2026
Limits and Continuity	8/12/2026	9/15/2026
Differentiation: Definition and Basic Derivative Rules	9/16/2026	10/5/2026
Differentiation: Composite, Implicit, and Inverse Functions	10/6/2026	10/8/2026
*2nd Grading Period	10/19/2026	12/18/2026
Differentiation: Composite, Implicit, and Inverse Functions	10/19/2026	10/29/2026
Contextual Applications of Differentiation	10/30/2026	11/16/2026
Analytical Applications of Differentiation*	11/17/2026	12/18/2026
Second Semester (93 days)	Start Date	End Date
3rd Grading Period	01/05/2027	03/11/2027
Modeling and Optimization	1/5/2027	1/14/2027
Integration and Accumulation of Change	1/15/2027	2/12/2027
Differential Equations	2/16/2027	3/1/2027
Applications of Integration	3/2/2027	3/11/2027
*4th Grading Period	03/22/2027	05/27/2027
Applications of Integration	3/22/2027	4/8/2027
***AP Review	4/9/2027	4/30/2027
Post AP Exam Content, TEKS Test, Final Exam*	5/3/2027	5/27/2027

* Includes time for Final Exams.

**The length of each unit is a specific number of days, but it is understood that there is a range of +/- a day. The purpose of the flexibility is meant to allow teachers the opportunity to plan for the needs of their students and to accommodate re-teaching or review when necessary. If pre-assessment indicates student mastery could be obtained in a fewer number of days, the additional time could be used for extension or carried into the next unit.

***At the time of publication of this document, the exact date of the AP Calculus Exam had not yet been released by the College Board. The AP Review unit is scheduled to end at the beginning of the expected AP Exam window. The actual number of AP Review days will be adjusted appropriately by the instructor upon publication of the actual exam date.

Instructional Material(s):

Demana, Calculus: Graphical, Numerical, Algebraic 6th Edition for Advanced Placement, Savvas

05/27/2026