

# AP Calculus AB

AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

Learn more from College Board: [AP Calculus AB](#)

## Prerequisites

- Precalculus or AP Precalculus [Expectations & Assessments](#)

## Who should take it?

- Students who want to satisfy a college math requirement
- Students who would like to major in any STEM field, especially math, engineering and physics

## Instructional Approaches

- Collaborative work
- Quizzes (FRQs) and Homework
- AP-Style Tests
- Practices MCQs/FRQs
- 1 full practice exam
- Standards-Based Grading (learn more [here](#))

AP Classroom resources: [AP Calculus AB](#)

Contact for more information:

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## Work Time Expectations and Course Structure

- Students are expected to do homework after every class to review important concepts learned each day.
- In class, after lectures on new material, students will be working together to deepen their understanding.
- Similar to college courses, for every 1 hour of class time, students are expected to practice for 2–3 hours outside of class.

## Skills Gained from this Course

- Determining expressions and values using mathematical procedures and rules
- Connecting representations
- Justifying reasoning and solutions
- Using correct notation, language, and mathematical conventions to communicate results or solutions

## What are the AP Assessments for this class?

### Summative Assessments 70%

Standard Assessments  
(Tests)

### Formative Assessments 30%

FRQs

### AP Exam Breakdown

#### Section I: MCQ, 50% of Exam Score

-30 Qs (calculator), 60 mins

-15 Qs (no calculator), 45 mins

#### Section II: FRQ, 50% of Exam Score

-2 Qs (calculator), 30 mins

-4 Qs (no calculator), 60 mins

**Desmos graphing calculator is now allowed on the AP Calculus AB Exam**

