

# Calculus 12

**Type:** Online

## Course Description:

This award-winning course is a robust, engaging, interactive, and student-friendly immersion into calculus. In this course, students begin a journey of calculus discovery and development that suits all learning styles with auditory, visual, and hands-on components throughout. Calculus 12 provides students a foundation for progression into University Calculus. Our course is built with AP standards in mind and students can easily move into AP Calculus if they desire.

Within this course, students are led through the historical journey of the discovery and development of calculus. Each lesson involves interactive videos that allow students to go at their own speed, with the ability to pause and rewind at any point. With student-friendly note packages and practice questions with detailed solutions, students will never get stuck and can learn how to solve even the most challenging calculus problems. Students can also retake every quiz and test to encourage them to strive towards mastery.

Note: To learn more about AP Calculus options check out our AP Calculus AB and AP Calculus BC - where your students can earn university credit.

## Major Units and Topics:

- Functions (Review)
- Limits
- Derivatives
- Applications of Derivatives
- Integrals
- Applications of Integrals
- Differential Equations

## Assessments:

- Video Notes
- Practice Questions
- Quizzes and Tests
- Review Assignments
- Practice Tests
- AP Activities and Explorations



### **Student Requirements:**

- An approved Collegeboard graphing calculator - DESMOS Calculator included with StudyForge course
- Having an additional handheld scientific calculator

