

### Course Description

In this course, students will study limits, continuity, and differentiation while exploring integrated algebraic, trigonometric, and transcendental functions and the applications of derivatives and integrals.

This is a yearlong course consisting of 8 units. Upon successful completion students will receive 1 credit towards high school graduation.

### Course Overview

#### Semester 1

- Functions
- Limits and Continuity
- Differentiation
- Applications of Derivatives

#### Semester 2

- Integration
- Applications of Integrals
- Differential Equations and More Riemann Sums
- Supplemental Topics

### Required Course Materials

Please access the list of course materials from the OC Online book ordering system and order your materials as soon as possible. Oftentimes, course materials are on back order and you may experience a delay in receiving them, causing students to fall behind in their online coursework. When ordering used or rented materials, be careful that online access codes are also current.

### Grading Policy

Students will demonstrate mastery through the following formative and summative assessments:

- 40% Assignments
- 10% Participation (Discussion Posts, Synchronous Sessions)
- 10% Quizzes
- 25% Final Exam
- 15% Unit Tests