

# AP CALCULUS AB/BC

## PREREQUISITES

- 80% or higher in Precalculus
- 80% or higher in AccPrecalculus H

## COURSE DESCRIPTION

**AP Calculus AB:** Real numbers and the Cartesian plane; review of functions, limits and their properties; derivatives, differentiation, and application; anti-derivatives and indefinite integration; area and definite integrals; integration by substitution; the Trapezoidal rule; logarithmic, exponential and other transcendental functions; and applications and methods of Integration.

**AP Calculus BC:** Review of functions, limits, and their properties; differentiation and integration; applications of differentiation; logarithmic, exponential, and other transcendental functions; applications of integration and integration techniques; improper integrals; and L'Hôpital's.

## RESOURCES

College Board Course Descriptions:

[AP Calculus AB](#)  
[AP Calculus BC](#)

[Mr. Yang's AP Calculus Site](#)

## TEACHER/STUDENT FEEDBACK

### *Time commitment:*

In AP Calculus AB, students should expect to spend 0-3 hours a week to be successful. In AP Calculus BC, students should expect to spend 4-8 hours a week to be successful.

### *Types of work:*

Less reading/writing as other courses.  
Less lab work than other courses.  
Less projects as other courses.

### *Students Should Know:*

AP Calculus AB -

- 52% of students reported that it takes at least 4-8 hours per week to be successful in this course, while 31% will take 0-3 and 16% take 9+ hours to be successful with this course.

AP Calculus BC -

- About half students (55%) stated that to be successful in this course requires 9+ hours per week, while the other half stated it takes about 4-8 hours per week.

### *Difficulty/Pace:*

AP Calculus AB - Half students stated that this course was more difficult or the most difficult course compared to other AP courses. Half students stated that this course moves faster or the fastest compared to other AP courses.  
AP Calculus BC - Almost all students reported that this course is the most difficult or more difficult than other AP courses. All students reported that the course was the fastest or moves faster than other AP courses.

## OTHER INFO

Both of these courses qualify as a fourth math course for graduation and for admission to the University System of Georgia.

Both of these courses qualify as a HOPE Rigor course.

[www.bit.ly/miltoncounseling](http://www.bit.ly/miltoncounseling)