AP Calculus AB CURRICULUM

Board Approved: 6/05/2025

Course Information

High School
Full Year Course

Course Description:
This course is a college-level course with many applications in engineering, business, and the sciences. A TI-84 or higher graphing calculator is required. Topics include: limits, derivatives, and integration of a wide variety of functions, and applications of differentiation and integration. This is an Advanced Placement course that prepares the student to take the AP Calculus AB exam. This course can be taken for advanced credit when available. Most universities consider this essentially equivalent to their one-semester Calculus 1 course, though this course is spread throughout two high school semesters.

Curriculum Standards: AP Calculus AB and BC Course at a Glance

Curriculum Resource(s): Sullivan, Michael. *Calculus for the AP Course*, *3rd Edition*. Bedford, Freeman and Worth Publishers, [2020]

Curriculum Link: The curricula for AP Calculus AB and AP Calculus BC are published by The College Board and are linked here: AP Calculus AB and AP Calculus BC Curriculum

Patrons with questions about the course should contact curriculum@fhsdschools.org

AP Calculus BC CURRICULUM

Board Approved: 6/05/2025

Course Information

High School
Full Year Course

Course Description:
This course is an extension of AP Calculus AB and addresses the same topics at an accelerated (nearly college-paced) rate, along with additional topics such as indeterminate forms, advanced techniques of integration, and a detailed study of sequences and series. A TI-84 or higher graphing calculator is required. This is an Advanced Placement course that prepares the student to take the AP Calculus BC exam. The course can be taken for advanced credit when available. Most universities consider this essentially equivalent to Calculus 1 and Calculus 2.

Curriculum Standards: AP Calculus AB and BC Course at a Glance

Curriculum Resource(s): Sullivan, Michael. *Calculus for the AP Course*, *3rd Edition*. Bedford, Freeman and Worth Publishers, [2020]

Curriculum Link: The curricula for AP Calculus AB and AP Calculus BC are published by The College Board and are linked here: AP Calculus AB and AP Calculus BC Curriculum

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