

Contact Information

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WHAT IS ADVANCED PLACEMENT (AP)?

AP courses aim to teach students the skills and information needed to pass an end of year exam given by College Board. Any student who receives a score of three (or above) on College Board's five-point grading system typically receives college credit by most public colleges.

Moreover, regardless of exam score, many colleges and universities view participation in the AP program as a sign of a motivated student. The course is advanced not only in reading and writing, but in the depth of the material. Students taking this course will learn at an accelerated pace and must exhibit responsibility, good work ethic, and a drive to learn to achieve college readiness skills and (potential) college credit.

COURSE DESCRIPTION

It's been said that change is the only true constant. Calculus helps make sense of change by grappling with questions that inspire thinkers from around the globe, across time, and in many disciplines. Can change occur in an instant? When is the next solar eclipse or the turning point for an economy? In AP Calculus BC, you'll cover many of the mathematical principles in AP Calculus AB and build upon them. AP Calculus BC helps you prepare for further study in mathematics and other disciplines, such as engineering, computer science, or economics. This class is equivalent to a first-semester college calculus course and the subsequent single-variable calculus course.

COURSE ACTIVITIES

Below you will find descriptions of the most common activities that students will participate in during the course of each semester. **Throughout the year, ALL students will:**

- Participate in in-class instruction. All instruction will be recorded and uploaded to Google Classroom
- Complete homework assignments AND learn/apply feedback to improve learning
- Engage in classroom discussions regarding the material/class
- Practice solving AP style questions directly from College Board
- Solve real-world problems that arise from a need for Calculus

GRADES - Click here for → [YWLA Grading Policy](#)

Major (Exams, approx. every 2-3 weeks) 60%

Minor (Homework (WS, DeltaMath), Quizzes) 40%

CLASSROOM RESOURCES

- **AP Textbook:** *Calculus, Volumes 1, 2 and 3* by OpenStax. [1](#) | [2](#) | [3](#)
- **Google Classroom:** <https://classroom.google.com/> code: hfgpgc7s
- **AP Classroom:** <https://myap.collegeboard.org/login>
- **Course Exam Description (CED)**
- **Desmos graphing:** <https://www.desmos.com/calculator> AND TI-84 Calculator (provided)
- **Delta Math:** <https://www.deltamath.com/>

EXAM DATE: Monday May 11th, 2026.

COURSE CONTENT (full Course Content found [here](#))

Unit	Course Content	% of Exam
1	Limits and Continuity	4-7
2	Differentiation: Definition and Fundamental Properties	4-7
3	Differentiation: Composite, Implicit and Inverse Functions	4-7
4	Contextual Applications of Differentiation	6-9
5	Analytical Applications of Differentiation	8-11
6	Integration and Accumulation of Change	17-20
7	Differential Equations	6-9
8	Applications of Integration	6-9
9	Parametric Equations, Polar Coordinates, and Vector Valued Functions	11-12
10	Infinite Sequences and Series	17-18

ADDITIONAL INFORMATION:

- This class will adhere to the YWLA Grading Policy. Please ensure that you read and understand the policy.
- Feedback will be provided on your assignments and is an important part of the learning process. You will be able to learn from your mistakes and make improvements so that you may be successful in this course.



AP Calculus BC 2025-2026

Updated: August 11, 2025

- The majority of the content will be delivered in-class. Please bring a charged Chromebook to class every day
- Please adhere to the academic integrity policy found in the student handbook. All students are expected to complete their work individually, unless otherwise instructed.
- The use of AI software (like ChatGPT) to gain an unfair advantage and/or to cheat is strictly prohibited.

Please feel free to reach out with any questions or concerns. We are excited to work together to make this a successful year of learning!

Mr. Zubia
