

Course Description

Calculus is the study of how things change. It provides a framework for modeling systems in which there is change and a way to deduce the predictions of such models.

AP Calculus BC is an advanced placement course which allows students to earn up to one year of college credit by passing the AP Exam (fee involved) given in May.

Course Focus

Calculus AB Review	Calculus BC New Content	Analytical and Creative Problem Solving	Applied Mathematics
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Mr. Freund's Rationale

My main objective as the instructor of calculus is to allow a student to develop the knowledge, motivation, curiosity, and skills to become a life-long learner who does not get caught up in the memorization of theorems and formulas, but instead truly wishes to understand the mathematical concepts and how they may apply to the world around them.

Secondary to this would be the hope that each student leaves this course with the knowledge to succeed on the AP Calculus BC Exam which could possibly accelerate future math endeavors. **(Taking this test is a requirement of this class.)**

Most Important for success

Attend Class	Get Sleep	Remain Mentally Active
Struggle	Effort	Ask for Help

Everyday Supplies

Paper & Pencil/Pen	Graphing Calculator
Chromebook/BC Workbook	Organizer/Binder

Homework

Assigned at least three times per week	Assignments will not be overwhelming, but thoughtful and meaningful.
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You are expected to be on time to class. (2 tardy warnings before after school detentions begin.)

You are expected to put your phone in the proper pocket.

Ear Buds are not allowed to be used during instructional time.

Plagiarism/Cheating of any kind will not be tolerated. (Consequences escalate for repeat offenders.)

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90/10

BHS uses 90/10 grading to plan assessments and calculate grades in all classes. This policy assures that 90% of each report card grade reflects students' mastery of the subject matter with 10% being allowed for assessment of students' work habits. Traditionally, this ratio has been determined by each individual teacher. This approach to grading causes grades to have a more common, consistent meaning across subjects and grades levels, which increases their usefulness as tools for understanding students' learning, intervening appropriately and communicating with parents. This syllabus reflects 90/10 guidelines.

Final Grades

Final grades will be replaced with the designation "credit/no credit" on report cards and transcripts on credit-bearing courses. Because GPA is calculated from semester grades, it has no effect on students.

For each semester course, credit will be awarded when the student has earned BOTH a passing GPA for the course (on the scale above) and two passing grades for the semester.

Semester course GPA calculation: Q1 or Q3 (40%) + Q2 or Q4 (40%) + Exam (20%)

- For each full-year course, credit will be awarded when the student has earned BOTH a passing GPA for the course (on the scale above) and two passing grades in the second semester.

Full-year course GPA calculation: Q1 (20%) + Q2 (20%) + Exam1 (10%) + Q3 (20%) + Q4 (20%) + Exam2 (10%)