

AP Calculus BC  
2025-2026 Course Syllabus

Instructor: Katie Brown

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Room : 410

Prerequisite: Precalculus (Advanced or Regular)

**Description/Standards:**

An introduction of the techniques/applications of derivatives and integrals, as well as the study of calculus as it applies to transcendental functions and differential equations.

**Textbook:**

Calculus: AP Edition 10e; Larson, Edwards; Cengage Learning

**Required Materials:**

Homework notebook (3-ring binder with dividers recommended)

TI-83, TI-84, or TI-89 graphing calculator (or equivalent)

**Grading:**

The following grading categories will be in effect:

|                       |                                   |
|-----------------------|-----------------------------------|
| Unit Assessments      | 60% (graded on a curve)           |
| AP Sample problems    | 10% (graded on a curve)           |
| Homework/Explorations | 10% (graded on completion/effort) |
| Final Exam            | 20% (graded on a curve)           |

A performance based grading scale will be used to assign letter grades. In-progress scales will be used following each unit test. The final grading scale will be established after all students have completed the semester final exam.

**Homework:**

Homework is assigned every night. Typically, homework should take students 40 to 60 minutes to complete. Usually, students are given class time to begin homework assignments. Individual differences, use of class time, attentiveness, attendance, and other factors may affect actual time spent working on homework. Students consistently spending excessive amounts of time on homework should see Mrs. Brown. Alternative assignments are available.

Students are expected to keep an organized notebook for all homework assignments and daily work. Students are responsible for keeping all work for the entire year. Homework will be reviewed daily and checked for effort and completeness.

**SHOWING WORK IS REQUIRED. ASSIGNMENTS GIVING ANSWERS ONLY WILL  
BE CONSIDERED INCOMPLETE!!!**

**Extra help and assistance:**

Mrs. Brown is available everyday for extra help during periods 1 and 6 or during your free period – just talk to me first so I can tell you the best time to come in. BVSD extra-curricular responsibilities; faculty, department, or committee meetings; supervision; and other school commitments may at times disrupt availability. Sometimes, the best method is to make an appointment.

**Participation, Attendance, Academic Dishonesty, & Late Work**

Students are expected to participate in class, attend class regularly and complete all assigned work. Students will receive 2 late passes per semester to use if an assignment isn't turned in on time (No need to use these for excused absence). Academic dishonesty is not tolerated and will result in a conference with parents, counselors, and administrators as necessary. Additional consequences may be imposed as appropriate.

**Course Content/Calendar:****FIRST SEMESTER**

|                            |         |
|----------------------------|---------|
| Limits                     | 1 week  |
| Differentiation            | 3 weeks |
| Derivative Applications    | 2 weeks |
| Integration                | 3 weeks |
| Transcendental Functions   | 3 weeks |
| Differential Equations     | 1 weeks |
| Integral Applications (AB) | 1 weeks |
| Semester Review/Assessment | 1 week  |

**SECOND SEMESTER**

|                            |         |
|----------------------------|---------|
| Integral Applications (BC) | 1 weeks |
| Algebraic Integration      | 3 weeks |
| Series & Sequences         | 5 weeks |
| Parametric & Polar         | 2 weeks |
| AP Exam Prep/Review        | 5 weeks |
| Semester Assessment        | 1 week  |

**Important Dates:**

**Register for AP Exam deadline:** Wednesday October 2?

**Calc Camp:** Sunday April 19 - Tuesday April 21... more info to come

**AP Exam:** Monday May 11 8am