AP Calculus BC
2026-2027 Course Syllabus

Instructor: Katie Brown email: Katie.Brown@bvsd.org
Room : 401
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.

Cheating Policy (click on link)

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 4 and 7 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		SECOND SEMESTER	
Limits	1 week	Integral Applications (BC)	1 weeks
Differentiation	3 weeks	Algebraic Integration	3 weeks
Derivative Applications	2 weeks	Series & Sequences	5 weeks
Integration	3 weeks	Parametric & Polar	2 weeks
Transcendental Functions	3 weeks	AP Exam Prep/Review	5 weeks
Differential Equations	1 weeks		
Integral Applications (AB)	1 weeks		
Semester Review/Assessment	1 week	Semester Assessment	1 week

<u>Important Dates:</u>

Register for AP Exam deadline: Wednesday October 7?
Calc Camp: Sunday April 18 - Tuesday April 20… more info to come
AP Exam: Monday May 10 8am