

AP Calculus BC

2023-2024

Class Syllabus, Guidelines, and Course Objectives



Teachers	Mrs. Leah Madigan Mr. Brian Meeron	e-mail address	madigal@cpsboe.k12.oh.us meeronb@cpsboe.k12.oh.us
Online Resources	http://meeron.x10host.com ("public" materials, including Daily Plans and Notes) Schoology (school-specific materials) DeltaMath (occasional) AP Classroom (review)		
Course	Per <i>Walnut Hills High School Course Guide</i> : AP Calculus BC is a standard, rigorous, first-year integral and differential calculus course, the scope of which is controlled by the College Board. In addition to the topics covered in AP Calculus AB [which include limits as well as differential and integral calculus of elementary functions], sequences and series, elementary differential equations, parametric and polar functions, vector calculus and slope fields are covered.		
Grading	<p>Assignments 10% Homework will be assigned for each lesson covered during the year, with the goal of strengthening conceptual knowledge, practicing learned skills and processes, and exposing students to a wide array of different problems. Additionally, DeltaMath assignments will be created periodically for extra practice, and a good amount of review will be built in to the course to help students prepare for Chapter Tests and the AP Exam. Any collected work that is <i>not</i> a formal assessment will be placed in the <i>assignments</i> grading category.</p> <p>Quizzes 20% To provide a benchmark for student understanding, quizzes will be given once or twice each chapter. Quizzes will always contain AP-style questions and are used not just for assessment purposes, but also to help students extend their own knowledge, skills, and abilities.</p> <p>Tests 70% To assess student understanding of all material in the Chapter, tests will occur at the conclusion of each Chapter. Tests are designed to mimic the AP exam in both style and difficulty. As such, tests will usually contain calculator-active and calculator-prohibited sections.</p>		
Grading Scale	AP Calculus BC follows the standard grading scale, as follows: A 90-100% B 80-89% C 70-79% D 60-69% F 0-59%		
	Grade overrides will neither be discussed nor entertained. Semester grades will be calculated as 40% for <i>each</i> quarter and 20% for the semester exam.		
Required Materials	Students are required to come to class daily with writing utensils, graphing calculator, charged laptop, and paper. An organizational binder is suggested. Textbooks must be covered.		
Calculators	Students are expected to have a TI graphing calculator for use at school and home. The TI-84+ SE or the TI-89 (Titanium) are most highly recommended. As per College Board guidelines, calculators will sometimes be the only way to find points of intersection, zeroes of functions, to evaluate derivatives at a point and to evaluate definite integrals. Mechanics of calculator use on the AP test will be covered in class.		

Academic Honesty	Do not cheat. Cheating includes copying assignments (either from others or from the published solutions), copying solutions on assessments, sharing information concerning the assessments, using material which gives unfair advantages (without approval), among other acts outlined in the Academic Honesty section of the student handbook. Accusations of cheating will be dealt with seriously, and infractions will be dealt with to the fullest extent possible under current Walnut Hills policy.
Engagement	Everyone is required to participate by keeping notes, doing assignments, and playing roles in classwork activities and projects. Please ask questions if you have them, please correct me if I make an error, and please feel free to bring your ideas to the class.
Tardies	Be on time to class. Tardies will be handled in accordance with school policy.
Attendance	The best predictor of success in AP Calculus BC is simply being present to learn the material. If you are absent, check the class website or communicate with other students in the class to find out what was missed. The excused / unexcused status of all absences will be obtained through PowerSchool <i>only</i> .
Make-Up Work	When an assessment is missed due to an absence (excused or not), it will be recorded as a zero, and must be made up as soon as possible, according to school policy (if the absence is excused, the assessment will then count for full credit). All assignments for the current chapter are due when the next formal assessment is administered, and will not be accepted late.
Cell Phones, Tablets, etc.	Please keep distractions to a minimum, and do not engage in activities which will deter you from your objectives. On the other hand, wirelessly-connected devices will sometimes be used during class instruction to enhance the understanding of topics and increase the depth of knowledge. Students will learn when it is appropriate to use their own technology and will be encouraged to use it during those times.
Flexibility	Any accommodations you feel you may need, or any adjustment to the class which you feel will increase your learning/understanding, should be addressed. Please feel free to speak to me about such academic matters.
Enthusiasm	Because, you know, math is awesome!
Required Textbook	Briggs, William, Lyle Cochran, and Bernard Gillett. <u>Calculus: AP Edition</u> . 2 nd ed. Boston: Pearson, 2017.
Course Objectives	Please see the CollegeBoard " Course at a Glance " for curricular components (can be found through AP Classroom). Additionally, all CollegeBoard objectives are broken down by lesson on the course website: http://meeron.x10host.com .