

A.P. Calculus AB
Course Outline 2018-2019
(Two Page Document)

Welcome to A.P. Calculus AB! This is a comprehensive, college-level course that will explore the major concepts of calculus. A. P. courses must meet College Board standards for content driven by deep analytical work. For these reasons, you should anticipate extensive written homework assignments.

Grading Policy

See Student Handbook

Expectations for student work

You will be required to complete many problems on your own from sources provided by the teacher. Success in AP Calculus requires extensive practice, and classwork and daily homework assignments are not enough. This takes initiative and diligence on your part and a love of doing math.

Organization, formatting and grading

All homework assignments must be completed for the next day. Additionally, students will be expected to orally present homework solutions, class work solutions, or alternate solutions for examples in order to gain experience with public speaking about mathematics in an articulate and intelligent manner.

Guidelines for written work

- ~ When completing written work (homework, test, class work, or project problems), formulas must be written, and all arithmetic calculations and algebraic/geometric/trigonometric methods must be evident.
 - ~ In addition to the mathematics, your written work must contain, in narrative form, detailed explanations of your solution process. Final answers must be stated in complete sentences. Interpretation of results, in written form, must be apparent.
 - ~ If you cannot complete a homework problem, you must show evidence of having thought about the problem: write out the problem and show some attempt at a solution (for example, draw a diagram, write a formula, write some ideas that come to mind, etc.)
 - ~ Also, as part of the written component of this course you will be asked to write personal reflections on problems, topics, or connections you have made in this course, on a regular basis. A reflection describes new learning that has occurred as a result of a given experience.
- You will be required to complete many problems on your own from sources provided by the teacher. Success in AP Calculus requires extensive practice, and classwork and daily homework assignments are not enough. This takes initiative and diligence on your part and a love of doing math.

Assessment

Pop quizzes based on homework assignments will be given randomly and not necessarily announced. Tests will reflect the style and similarity of the actual AP Examination that are challenging and different from regents based classes.

Grades will be maintained weekly on ENGRADEPRO. E-mail any inquiries or assignments to:

bniederhoffer@schools.nyc.gov

Absent/ late work policy

In the event of an absence, you will have two class days to make up missed work. You are responsible for any missing notes. Missed quizzes and missed tests must be made up at teacher's convenience. Not showing for a make up exam without a valid reason will result in a failing grade for that exam. Late projects will be graded based on the added CSI late work grading policy. Homework assignments follow the CSI HS late homework policy.

Academic integrity

All hand-in homework assignments must be completed by you alone.

Class culture

Seats will be changed on a regular basis to ensure you have a chance to learn from one another's strengths, experiences and perspectives.

AP Calculus AB Contract (Will be distributed in September)

I understand that AP Calculus is a very demanding course with work at the college level, requiring me to spend time each night in thoughtful and careful study and thorough completion of written homework assignments. There will be possible extra sessions before or after school or on the weekends as needed as determined by the instructor.

I understand that completing the AP Examination in May is a requirement of this course.

Summer Assignment – To Be Determined.

Due Friday 7 September 2018 (50% of your grade). Questions will be answered during this class.

Assessment: Friday 14 September 2018 (50% of your grade). Assessment will cover summer assignment work only