

AP Calculus AB Syllabus

Teacher

Ms. Chloe Hennon
chloe.hennon@biloxischools.net

AP Exam: MAY 8TH, 2023 @ 8AM

Course Overview

AP Calculus AB is equivalent to a first-semester college calculus course. Topics include functions, limits and continuity, derivatives, and integrals. The course will focus on applying the skills and concepts of calculus to modeling and solving problems across multiple representations.

Activity Grades

- Practice will be assigned on DeltaMath.com via Google Classroom. This will serve as the activity grade(s) for the unit.
 - Due at 8 AM the day of the test for the given unit
 - Can be turned in after the due date before the last day of the term (date specified by me) for up to *85% credit*.
- Personal Progress Checks (PPC) are assigned online for this course through AP Classroom
 - Due at 8 AM the day BEFORE the test.
 - *No PPC will be accepted for late credit.*
- Quizzes will be given at least once each unit.

Test Grade Policy

Unit Tests will be given at the end of each unit. All tests will be AP style tests. Most units will have two day tests that will have 1 day for Multiple Choice and 1 day for Free-Response.

There will be two ways to earn points back on your test

1. Test Corrections
 - a. You will correct your test on blank paper following the guidelines I give you. All corrections will earn HALF CREDIT back to your test.
 - b. Due 1 week after your test is handed back to you
2. Reteach/Retest
 - a. Eligibility for Reteach/Retest:
 - i. Everyone gets 1 per nine weeks
 - ii. Raw score of 50% or lower
 - b. The only way to get out of *reteaching* is to complete your test corrections for no credit. This shows you understand the mistakes you made and do not need me to explain anything again.
 - c. Reteaching will consist of going over any questions from the test that you still do not understand and then completing practice problems together if time allows.
 - d. Retests are always short answer, but still AP rigor, do not expect an easier test for retesting.

AP Calculus AB Syllabus

Technology

Students will be provided with a TI-84CE Plus graphing calculator during class. Some problems throughout the course will require them to use their graphing calculators.

Textbook

Demana, Waits, Kennedy, Bressoud, Boardman. *Calculus: Graphical, Numerical, Algebraic*. 4th Edition. Pearson/Prentice Hall.

Tutoring

- My classroom is open for tutoring after school Monday through Thursday AND during first period Tuesday through Friday.
- I reserve the right to restrict days for specific classes if the need arises, such as during times of reteaching.

Recommended Materials

- 2 in Binder
- Loose leaf Paper
- Expo marker
- A colored pen of some sort (for marking your papers in class)
- Highlighters for notes

Course Outline and Pacing

Term 1: Limits, Continuity, Differentiation

Term 2: Differentiation, Contextual Applications of Differentiation, Analytical Applications of Differentiation

Term 3: Integration and Accumulation of Change, Differential Equations, Applications of Integrations-Average Value, Position, Velocity, Acceleration, and Area

Term 4: Applications of Integration-Volume, AP Review

Grading:

Students need to give their very best effort at all times. Grades are awarded based on effort and understanding. I **DO NOT** give extra credit because almost everything can be turned in for late credit.

Activity grades for the unit are updated on test days.

Test grades will be given back within one week of being taken.

Make-up Work

Students are expected to take responsibility for their make-up work. Students are expected to watch the video and take notes on their own for the days that they miss.

Handouts, notes, and paper assignments will be found in the absent folder for their class period and are expected to be retrieved at the beginning of class when they return.