

Kalaheo High School
Math Department
2025-2026 Syllabus



Teacher: Dr. William Scott Tong
Room: A-203
Email: William.Tong@k12.hi.us
KHS Office Phone: 1-808-305-0200

Aloha! We look forward to a productive year as we explore Advanced Placement Calculus (AB). There are many goals for taking this class, including and not limited to preparing for college level mathematics and obtaining college credit. The goal of the Kalaheo High School Math Department is to create the best possible learning environment for all students as they travel through their respective math journeys this year. The Kalaheo High School Math Department Team are all firm believers that experiencing challenges nurtures a positive growth mindset. Please do not hesitate to email with any questions or concerns as the need arises. Let's aim for having a happy and productive school year!

AP Calculus AB focuses on the core concepts and applications of differential and integral calculus, including limits, derivatives, and integrals, as well as the Fundamental Theorem of Calculus. It's designed to mirror a first-semester college calculus course, providing students with a foundation for further study in STEM fields.

Textbook, Standards, Supplies

Textbook:

Finney, Ross L. et al., Calculus: Graphical, Numerical, Algebra, 5th. Pearson, 2016.

Course Standards & Assessments: We will be using the math practices and the course CED from college board and AP Central

Supplies:

Notebook - Composition bound notebook or loose leaf to write notes and do work on
Folder- to hold handouts and returned materials
Pencils/pens To write with

The math department does not round scores up to the next highest grade for any assignments, quarter grades, or semester grades, nor will teachers submit grade changes unless a genuine grading error has been made. Teachers will submit the grade a student earns into the IC system based on the student's academic performance in class. Please note that academic performance includes all attempts a student makes to attend tutoring sessions during Student Assistance or Study Hall hours as needed.

Plagiarism Policy

Students caught plagiarizing will receive a zero for the assignment without the option for make-up

Tutorial Hours

Student Assistance is available after school hours on Tuesday and Thursday from 2:20-3:05 and Friday from 2:45-3:05. Students are highly encouraged to attend for extra help or concerns in a timely manner.

Study Hall is available once a week during Student Activities Period (subject to change periodically).

Communication: Please check **Infinite Campus** often for progress and assignments. Students and parents are encouraged to send communications to the teacher through email

Expectations

Classroom Management Plan:**Classroom Rules:**

1. Be Responsible.

Students will be held accountable for actions in the classroom, including adherence to the health and safety guidelines put forth by the school.

2. Be Respectful.

Respect self, others, property, and the sanctity of the classroom as a place of learning.

These include but are not limited to: alcohol/drug abuse, name calling, bullying, being inconsiderate of other classmates, vandalism of school property, little or no effort in class activities, etc.

3. Be Prepared.

Be on time to class with required materials (textbooks, notebooks, completed assignments, face covering, chromebook, etc.) and ready to learn.

Note: No electronic gear (earpods, cell phones, etc.) or electronic cigarettes may be used during class time. They must be out of sight upon entering the classroom. The only time electronic items may be used during class is when the teacher decides that it is appropriate to use for *effective and ethical uses of technology*.

Consequences:

1. Calling the student's attention

2. Counseling & warning by the teacher

3. Seat change

4. Phone call to parents/letter sent home.

5. Referral (written) to counselors, other student support services, &/or administrators

6. Removal by security

7. A conference including the student, parents, other teachers, the counselor, & administration.

Expectations/Requirements:

As a college-level course, performance expectations are appropriately high and the workload is challenging. Students are expected to commit to a minimum of five hours of coursework per week outside of class. Often, this work involves applying conceptual understanding to problems for future pattern recognition and justification requirements. In most high level math, including calculus, **understanding cannot be done at the last minute**. Successful students are studying all throughout the course. The best students read ahead.

Students should also maintain the following:

1. Regular class attendance. Students are responsible for obtaining/returning makeup work.

2. Participation in all class activities (discussions, group work, etc.)

3. Bring required school supplies daily, including planner, school ID

4. All students need regular access to a computer that can be used with AP Classroom in class and at home.

5. Abide by Classroom Rules: see section on Classroom Rules.

Course Content and Grading Plan

Grading is done in two semesters. Grading will not "start over" at Quarter 2 or Quarter 4. Quarter 2 and Semester 1 grades will be the same. Quarter 4 and Semester 2 grades will be the same. The year grade is calculated as an average of the two semester grades. A rolling gradebook allows for more accurate weighting of final assessments for students to show mastery of the instructional content and standards.

Q1 Limits, Continuity, Derivatives, Derivatives of functional composition, IVT, EVT, MVT	Q2 Implicit Differentiation, Related Rates, Optimization, Accumulation, Riemann Sums, FTC, U-substitution
Q3 Differential Equations/ Slope Fields Volume of Solids	Q4 One-off content: Inverse Calc, L'hospitals, Summation to integral AP Exam Review

<u>Academic points earned in the following areas will determine grades:</u> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;">70%</td><td style="width: 50%;">30%</td></tr> <tr> <td>Summative Assessments (Exams)</td><td>Formative Assessments (Homework Quizzes, completion assignments)</td></tr> </table>	70%	30%	Summative Assessments (Exams)	Formative Assessments (Homework Quizzes, completion assignments)	<u>Percentage points will be translated into a letter grade using the following scale:</u> A= 100.00%-90.00% B= 89.99%-80.00% C= 79.99%-70.00% D= 69.99%-60.00% F= 59.99%-0.00%
70%	30%				
Summative Assessments (Exams)	Formative Assessments (Homework Quizzes, completion assignments)				

When possible, I try to grade in the expected manner that the AP Exam will be graded. As a result, from a percentage point of view, many students may do poorly as they get up to speed and understand the content. As a result, there may be additional curving to align better with the results of the AP exam.

Kalaheo AP Policy *subject to change at the committee's discretion.

Grading*:

- Students will be allowed to correct summative assessments, including a rationale, to earn no more than 50% of the points incorrect within one week of the received assessment grade. These corrections must be scheduled and completed with the AP teacher during non-class time.

Late work*:

- If the student is present in class when work is due and does not hand in the work, late work will receive no more than 50% of the original credit for the assignment.
- Late work will only be accepted **two calendar days** after the date the assignment is due.
- For an unexcused absence, late work will not be accepted.
- For an excused absence, the assignment will be due the day you return to school and eligible for full credit.

AP Exam(s)*:

- Students must pay for their AP Exam(s) no later than Sept. 29, 2025.
- 2026 AP Exam Fee Collection letters to be distributed in each AP course.

Students must pay for AND take their AP exam(s) in May. Students who fail to do both will be changed from an AP course(s) to an equivalent course and will not receive the 5-point grading scale on the student's official transcript. A student who does not take their AP exam(s) will take an additional graded assessment

Kalaheo Cell Phone Policy

Technology provides our students with wonderful opportunities to research, explore content, and collaborate with teachers and peers. With these benefits come challenges that we hope to help students avoid. Our school provides access to computers and the internet during the school day. Furthermore, students who need to call their parents should do so using the phone in the main office. Therefore, the use of cell phones in school is a privilege that must be used in an ethical manner. We reserve the right to limit or suspend cell phone usage to any student who violates the following school cell phone policy.

Acceptable Uses:

- Students may use their phones in their classrooms with the expressed permission of a teacher. Students may use their cell phones after dismissal.

Unacceptable Uses:

Misuse includes but is not limited to:

- Cell phone use in the classrooms without the teacher's permission.
- Sending or seeking to receive messages that contain inappropriate content.
- Responding to calls or texts in the classroom during instructional time.
- Sending inappropriate messages or videos about students and/or faculty.
- The use of cell phones to cause a distraction in class or in the hallways.
- Harassing and/or bullying students or faculty.

Consequences for cell phone related offenses will be addressed in ways that include but are not limited to:

- Teachers may collect the cell phone for the duration of class.
- After multiple offenses, teachers may turn the phone into the office to be picked up by parent/guardian.

Any cell phone brought to school by students will be the responsibility of the student. Administration and teachers will not assume responsibility for damaged, lost, or stolen cell phones.

Please complete and return this page to Mr. Tong

We have read the AP Calculus AB Syllabus and understand what is expected and will contact the teacher directly if there are any questions. KHS Office Phone: 305-0200 (leave message)

Student Name

Student Signature

Date

Parent Name

Parent Signature

Date

Contact Number

email

Student: _____

Contact Log for Tier 1 Interventions

2025-2026 SY[illegible]