

Hawai'i APSI 2025 Agenda



Date: 15-17 July, 2024
Time: 8:00 am-4:00 pm
Damien Memorial School

Theme:

Embracing the spirit of aloha!
(The Aloha Spirit - Compassion and kindness to all with whom we cross paths in our everyday lives)

Course Description:

During this AP[®] Calculus AB APSI, you'll explore the course framework, the exam, and the new AP[®] resources that will help you plan and focus instruction—and give you feedback throughout the year on the areas where individual students need additional focus. You'll also learn about completing the digital activation process at the start of the school year that will give you immediate access to the new resources and will help ensure that your students can register for AP[®] Exams by the new fall deadlines. By attending this APSI, you'll gain deeper insight into the following key takeaways, among several others: Understand the Course; Plan the Course; Teach the Course; Assess Student Progress; and Engage as a Member of the AP[®] Community. In addition, specific attention will be paid to the following AP[®] Classroom resources: unit guides, personal progress checks, AP[®] teacher community, and the AP[®] question bank.

The following are some of the goals for the week:

- My main goal for the week is for participants to have the chance to articulate their particular needs regarding AP Calculus AB, and to arrange things so that those needs are met.
- Content will be covered through the lens of a college level calculus course, and through the lens of how the content will be represented on the AP Calculus Test.
- Particular attention will be paid to the communication skills necessary for students to master so that they can provide evidence to anonymous Readers of their proficiency.

Expected outcomes for the 4-days:

- Participants will be able to use the AP Calculus AB/ BC Course and Exam Description as a resource for curricular questions.
- Participants will be familiar with and able to use AP Classroom, AB Central, Blue Book, and other online resources so that they can best prepare their students for success in AP Calculus AB (and any other AP Course).

- Participants will have developed a community for ongoing support as they teach the course.
- Participants will have a good understanding of the purpose and nature of an AP Course, and will be able encourage students from a variety of backgrounds to participate in and be successful in AP Mathematics.
- Participants will have the tools and resources to continue to learn and love mathematics, and to provide inspiration to their students to do the same.

What should participants bring to the workshop?

- A laptop with access to Google Drive, the internet, and Desmos
- A College Board approved Calculator (TI 84 family or similar)
- Materials to take notes & work problems

Agenda for Days 1-4

This schedule may change in accordance with the participant needs as determined during the first day of the workshop.

Day 1

Opening Ceremony
 Welcome! Who are we and why are we here? 😊
 Overview of Resources
 2025 AP Calculus FRQs
 Units 1 - 4

- Limits & Derivatives
- Intro to Differential Equations
- Related Rates & Optimization

Day 3

AP Classroom Deep Dive/ Online Testing
 Finish off Calc A; Units 6 - 8

- Limit Definition of an Integral
- AB Integration Techniques
- Differential Equations and Slope Fields
- Particle Motion
- Areas & Volumes

Instructional Strategies

- Sharing Strategies

Day 2

Equity and Access
 Interpreting Test Results (The Instructional Planning Report)
 Units 4 & 5, some Unit 6

- Curve Sketching
- Sandwich Theorem
- L'Hospital's Rule
- Important Theorems
- The Fundamental Theorem

Day 4

Happy Thursday!
 Grades & Evaluation

- Plan/ Teach/ Assess
- The AP Test
- Some Classic AP Problems (Deep Dive)

2025 AP Calculus FRQs - Scoring notes & Student Samples
 Mock Read
 Closing Ceremony