

AP Calculus AB – Syllabus
Ruben S. Ayala High School, Chino Hills
Ms. Kadlac, Room H128

Greetings! I am looking forward to a great year of teaching and learning in calculus class this year. Personally, calculus was the math course that made me see the beauty of math and how it is relevant to real life. I hope you enjoy the subject AND experience success in it as well.

Units of Study - We will follow the college board pacing guide, revised for 2019-2020. Prior to the AP test, we will spend around four weeks doing intensive review. My goal is for everyone to pass!

Unit 1: Limits and Continuity

Unit 2: Differentiation: Definitions and Fundamental Properties

Unit 3: Differentiation: Composite, Implicit, and Inverse Functions

Unit 4: Contextual Applications of Differentiation

Unit 5: Analytical Applications of Differentiation

Unit 6: Integration and Accumulation of Change

Unit 7: Differential Equations

Unit 8: Applications of Integration

*Please see the college board website for AP Calculus AB for more details at <https://apcentral.collegeboard.org/courses/ap-calculus-ab/course>

Classroom Rules and Policies – These exist for the purposes of preserving a distraction-free learning environment and promoting personal responsibility.

- No phones, headphones, ear buds or other personal electronic devices may be used during class. Phones must be turned off (not in vibrate mode). You need to keep it put away out of sight or stored in the class cell phone caddy.
- There is a phone charging station in the classroom which you are welcome to use, but you must plug in your phone BEFORE the tardy bell rings and you cannot retrieve it until the end of class.
- No gum, food, or drinks allowed in the classroom.
- No hats, beanies, or hoods may be worn during class.
- Late work is only accepted for partial credit. For excused absences, you will have one day for every day you were absent to complete work you missed. You are responsible for finding out what work you missed and getting notes either from my website or a classmate.
- You must buy a TI-83/84 graphing calculator (or check one out from the library) and bring it to class daily.
- Be prepared to collaborate and participate actively in class. You are expected to contribute to class discussions and be a productive member of your group.
- You must get your school planner signed to use the restroom. Do not interrupt instruction to ask to use the restroom.

- Take care of personal business during passing period and before or after school. Please do not ask to go to the office or other classrooms during class.
- Be on time. You will be marked tardy if you arrive to class after the tardy bell rings. Excessive tardies will result in a referral to discipline.
- Stay seated until the bell rings. Do not pack up early as it is disruptive to other students. We will try to use all the time available each class period for instruction, discussion, and practice.
- All work is required to be shown on assignments and test. This is because the AP test is not just multiple choice; the free response questions require you to justify your reasoning and explain your work with precision. As such, communicating your ideas clearly and completely will be emphasized in this class.

Academic Honesty – Any form of cheating, including but not limited to plagiarism, copying someone else’s paper, and talking during an exam, will have serious consequences. These consequences can include losing class points, which can have a significant negative impact on your grade, and academic referral.

Supplies Needed – Students will be expected to bring to class daily:

Required: Graphing calculator (TI-83), graph paper, graph-ruled notebook or composition book, folder, lined paper, pencils, erasers, highlighters, colored pens or pencils, and ruler.

Study Group – I will be facilitating a study group for exclusively for AP Calculus on Thursdays after school from 3 to 4 pm in room H128. Students are welcome to come by to study/ask questions.

Grading Policy – The grade for this course will be based 75% upon assessments (tests & quizzes) and 25% upon assignments (homework, classwork, notebook, projects).

Grading Scale

- A 90% to 100%
- B 80% to 89%
- C 70% to 79%
- D 60% to 69%
- F Below 60%

Contact Information – Parents, please do not hesitate to email me and I will try to respond within 24 hours. My email address is meredith_kadlac@chino.k12.ca.us. I will also be posting a website which can be found by going to the Ayala High School website and searching for my last name under Classes (coming soon!). I look forward to working with you and your student this year.