



# Chandler Unified School District

MAT415 AP Precalculus  
SY 2024-25



## Course Overview

### Course Description

The college-level course meets the requirements for students to take the AP examination as well as preparing students for other college-level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. The course framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.

### AP/IB/Dual Enrollment

AP / May be offered for Dual Credit (CGCC MAT 187 Section 30093).

### Prerequisite/Fee(s)

Algebra 2

### Course Materials

- A notebook specifically for our class
- A graphing calculator (TI STRONGLY preferred. TI-Nspire CX will be demonstrated in class and can be used on the ACT as well. TI-Nspire CAS is not usable on the ACT and is therefore not recommended.)
- Writing utensils: pencils or dark colored pens and red or other colored pens (for corrections).
- Expo markers for use in class.

### Adopted Resource(s)

Pre-Calculus, AP Edition, Demana & Precalculus 5th Ed, Blitzer (Pearson)

*\*An asterisk indicates a resource containing sexually explicit materials per legislative definitions. CUSD has determined that all the above resources are of exceptional educational value.*

## Site and Faculty Information

### School name and address:

Hamilton High School, 3700 S Arizona Ave, Chandler, AZ 85248

### Building principal:

Dominic Romero  
romero.dominic@cUSD80.com

### Teacher:

Ashley Rall BA, MS  
rall.ashley@cUSD80.com

**Office hours:** Every morning, 6:45-7:20am, or by appointment

## Course Access

This course is taught in-person at Hamilton High School. Students will have access to the curriculum and instruction in the classroom. Google Classroom is the primary location for students to access material when absent from classes taught in person.

## Help

### Academic Support

- Contact the teacher to schedule an appointment during office hours
- [Ed Tech](#) support for students, parents/guardians, and community link ([cUSD80.com/Page/45109](https://cUSD80.com/Page/45109))

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## **Mental Health Support**

- CUSD mental health support [cusd80.com/Domain/10528](https://cusd80.com/Domain/10528) or 480-573-8808 (talk or text)
- Suicide & Crisis Lifeline: 9-8-8 hotline
- 24-hour Crisis Line Talk: 602-222-9444, Text: 741-741

## **Student Conduct, Success, and Responsibilities**

### **Student Handbook**

Students must follow the policies and procedures established in the [Student Handbook](#). Copies of the handbook can be found at [cusd80.com/handbooks](https://cusd80.com/handbooks). Printed copies will be provided upon request.

### **Student Responsibilities**

- You are required to come to class on time and prepared every day.
- Being prepared for class means that you come to class with all the required materials every day, completed & corrected homework, and questions.
- Being on time for class means being in your seat and prepared to begin working when the bell rings. Anything else will be considered tardy unless you have a hall pass. 5 tardies will result in a referral to the administration and could cause assignment to Saturday school.
- Respect is key to everything. I will respect you and in turn ask for your respect as well as respect for your fellow classmates. Behaviors that interrupt teaching or learning are not acceptable.
- All students and faculty have the right to a safe classroom environment free of bias, prejudice and bigotry. As members of the Hamilton High School educational community, students are expected to refrain from participating in acts of harassment that are designed to demean another student's race, gender, ethnicity, religious preference, disability or sexual orientation.
- Phones are wonderful and glorious inventions do not belong inside our classroom unless approved by me for a specific purpose. We've all seen the research that our ability to learn is dramatically lowered by even hearing a phone's notification sound. Any phone, ipod, or other personal electronic device not approved by me may not be out in the classroom.
  - ◆ 1st offense: warning and the phone will be confiscated until the end of class;
  - ◆ 2nd: the phone will be held until lunch period or the end of the day whichever is first;
  - ◆ 3rd: the phone will be given to security and notification sent home.
- Students are held responsible for all announcements written on the board or given during the class period. These may include any changes or alterations to office hours, homework, etc.

### **Late work**

No late work will be accepted unless previously excused by the front office, however, the lowest homework score will be dropped every semester. Homework will be due in class each day and full credit will be given if all problems are done with work shown as needed, not just answers.

In the event of an excused absence the missing work will be dealt with according to the Student Handbook: you have the number of days you were absent to turn in late homework or to take a quiz/test. Work not made up within the appropriate time frame may result in a score of zero.

## **Assessments and Assignments**

Students will complete assessments during each unit of study to assess their understanding, with around 1 assessment per week. All assessments will be announced in class and written on the board as an upcoming event. Since the AP is cumulative, assessments will be cumulative as well. If a student is absent for an assessment it needs to be made up as soon as possible, within as many class periods as given by the student handbook.

Students will complete a final exam at the end of the first and second semesters. The final exam will count for 20% of the student's final semester grade in grades 9-12. Final exams will be given during the CUSD Jr High/High School Early Dismissal days in December and May, as identified on the [District Calendar](#).

If students are requested to participate in a survey, the survey questions will be provided to parents/guardians seven days before student contact. There will be an introductory questionnaire that Ms. Rall uses only to work with parents and students to make the class align with each student's needs.

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## Grading

### Grade Percentage

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

### Quarter grades

■ Assignments	15%
■ Assessments	85%

### Semester grades

Semester grades are calculated using 40/40/20: Each quarter accounts for 40% of the semester grade and the final exam accounts for remaining 20%.

### AP Exam Boost

Students who pass the AP Exam will have a boost to both semester grades, equal to their score on the AP Exam, as displayed below:

<b>AP Score:</b>	5	4	3
<b>Boost to semester grades:</b>	+5%	+4%	+3%

### Online grades – Infinite Campus

Parents and students can access grades and assignments by going to the school's website and clicking on "grades portal." Students' information is only accessible by using their individualized password. Parents and students may contact office personnel/counselors for their password.

## Units of study

### Units for MAT415 AP Precalculus

*\*An asterisk will indicate a unit of study or novel containing sexually explicit materials per legislative definitions.*

Unit 1: Polynomial and Rational Functions

Unit 2: Exponential and Logarithmic Functions

Unit 3: Trigonometric and Polar Functions

Unit 4: Parameters, Vectors, and Derivatives

Signature Page - Please return this page to your student's teacher.



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**Site:** Hamilton High School

**Building Principal:** Dominic Romero, [romero.dominic@cusd80.com](mailto:romero.dominic@cusd80.com)

**Teacher:** Ashley Rall, [rall.ashley@cusd80.com](mailto:rall.ashley@cusd80.com)

## Parent/Guardian

### Acknowledgment

Parents/Guardians must specify their approval by selecting "Acknowledge" or "Potential Conflict" for their

student's involvement in the units of study. Please note students cannot decline participation in standards-based units. The teacher will reach out regarding options if "Potential Conflict" is selected.

Unit of study	Acknowledge	Potential Conflict
Polynomial and Rational Functions	<input type="checkbox"/>	<input type="checkbox"/>
Exponential and Logarithmic Functions	<input type="checkbox"/>	<input type="checkbox"/>
Trigonometric and Polar Functions	<input type="checkbox"/>	<input type="checkbox"/>
Parameters, Vectors, and Derivatives	<input type="checkbox"/>	<input type="checkbox"/>

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**By signing and returning this form,** the parent/guardian acknowledges they have reviewed the resources and units of the study included in the syllabus.

- ☐ As the parent/guardian, I understand I may contact the teacher with questions on resources, content, or units of study at any time during the school year and view my student's grades in Infinite Campus.

Student name (printed)

Student signature

Parent/Guardian name (printed)

Parent Signature

Date

**Please return this page to your student's teacher.**