



# Chandler Unified School District

MAT400A Precalculus

SY 2023-24



## Course Overview

### Course Description

The course explores algebraic manipulation, graphing, and application, to explore functions, mathematical modeling, exponential and logarithmic equations, discrete mathematics, and trigonometry. Precalculus strengthens students' conceptual understanding of problems, mathematical reasoning, and mathematical modeling in solving problems. This course combines concepts of trigonometry, geometry, and functions to prepare students for studies in STEM-related classes and college and career-entry mathematics courses. Students will use the standards for mathematical practice to engage with the subject matter.

### AP/IB/Dual Enrollment

Maybe offered for Dual Credit.

### Prerequisite/Fee(s)

Algebra 2

### Course Materials

- + Graphing Calculator
- + Pen/Pencil/Highlighter
- + Binder with loose leaf paper or notebook
- + School issued Chrome book

### Adopted Resource(s)

Precalculus with Limits 3rd Ed., Larson (Cengage) & Precalculus 5th Ed., Blitzer (Pearson)

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

## Site and Faculty Information

### School name and address:

Perry High School, 1919 E Queen Creek Rd, Gilbert, AZ 85297

### Building principal:

Heather Patterson  
patterson.heather@cusd80.com

### Teacher:

Ashley Mach M.S Mathematics  
mach.ashley@cusd80.com

**Office hours:** Tutoring times will vary, but will be before/after school and the times will be posted in my classroom.

## Course Access

This course is taught in-person at Perry 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))

### **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**

- + To attend class regularly and use class-time wisely
- + To be in your seat with homework and w-up out ready to work when the bell rings.
- + To be prepared for class
- + To have a positive attitude
- + To remain in your seat until you are dismissed
- + To be respectful to yourself, your peers, and you instructor.
- + All policies and rules as outlined in the student planner

### **Late work**

No late work will be excepted unless it is for an EXCUSED absence.

## **Assessments and Assignments**

Students will complete assessments during each unit of study to assess their understanding. Students will complete the CUSD Common Final at the end of the first and second semesters. The Common Final will count for 20% of the student's final semester grade in grades 9-12 and 10% in grades 7-8 (some exceptions may apply at the Junior High level). Common finals will be in ELA, Math, Science, Social Science, and World Language.

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.

## **Grading**

### **Grade Percentage**

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

### **Quarter grades**

- + Homework/Classwork = 15%
- + Assessments = 85%

### **Semester grades**

Semester grades are calculated using 80/20: A combination of the two quarters accounts for 80% of the semester grade and the final exam accounts for remaining 20%.

## **Units of study**

### **Units for MAT400A Precalculus**

Functions and their Graphs  
Polynomial and Rational Functions  
Exponential and Logarithmic Functions

---

Systems of Equations and Inequalities  
Matrices and Determinants  
Conic Sections  
Trigonometry

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



# Chandler Unified School District

## MAT400A Precalculus

### SY 2023-24



**Site:** Perry High School

**Building Principal:** Heather Patterson, patterson.heather@cusd80.com

**Teacher:** Ashley Mach, mach.ashley@cusd80.com

## Parent/Guardian

### Acknowledgment

Parents/Guardians should indicate if they "Acknowledge" or have a "Potential Conflict" with their student's participation in the following units by checking the appropriate box for each unit of study listed. Students cannot opt out of a standards-based unit. Marking "Potential Conflict" will prompt the teacher to make contact regarding assignment alternatives.

Unit of study	Acknowledge	Potential Conflict
Functions and their Graphs	<input type="checkbox"/>	<input type="checkbox"/>
Polynomial and Rational Functions	<input type="checkbox"/>	<input type="checkbox"/>
Exponential and Logarithmic Functions	<input type="checkbox"/>	<input type="checkbox"/>
Systems of Equations and Inequalities	<input type="checkbox"/>	<input type="checkbox"/>
Matrices and Determinants	<input type="checkbox"/>	<input type="checkbox"/>
Conic Sections	<input type="checkbox"/>	<input type="checkbox"/>
Trigonometry	<input type="checkbox"/>	<input type="checkbox"/>

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

**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 that I may contact the teacher if I have questions about the resources, content, or units of study.
- ☐ As the parent/guardian, I understand I can check my student's grades in Infinite Campus anytime during the school year.

Student name (printed)

Student signature

Parent/Guardian name (printed)

Parent Signature

Date

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