



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

TI-83 or 84 Calculator

Notebook paper

Graph Paper

Pencils

Erasers

Highlighters

Correction pens- any color

Ruler

Protractor

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:

Camille Casteel High School, 24901 S Power Rd, Queen Creek, AZ 85142

Building principal:

Jayson Phillips

phillips.jayson@cusd80.com

Teacher:

Justine Bachner BA, MEd

bachner.justine@cusd80.com

Office hours: 7-7:30am through November, 2:30-3pm after November as well.

Course Access

This course is taught in-person at Camille Casteel 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)

Mental Health Support

- CUSD mental health support 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. Printed copies will be provided upon request.

Student Responsibilities

Be prepared with course materials each day.

Be in their seat when the bell rings.

Take notes daily and complete daily assignments.

Show all work on all homework.

Have homework the day it is due.

Check the answer keys provided in class for homework and any reviews.

Ask questions in class and/or attend tutoring for additional help.

Check Google Classroom for notes and materials when absent.

Late work

Late work is accepted up to the day of the test. All late work turned in before the unit test will be accepted at 50% of the total grade.

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

Quarter grades will be determined with the following percentages:

- Homework: 20%

- Quizzes: 30%

- Tests: 50%

Quiz corrections will be permitted as long as all homework pertaining to the quiz was done prior to the quiz. You will be permitted one test retake per semester. In order to do a test retake, all homework

pertaining to the chapter needs to be completed as well as any quiz corrections. You must also attend tutoring at least once prior to taking the retake.

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 the 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

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



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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"/>

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Parent/Guardian

Acknowledgment

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.