



Chandler Unified School District

MAT340 College Algebra

SY 2024-25



Course Overview

Course Description

The course explores how to analyze and interpret the behavior and nature of functions, including polynomial, rational, exponential, logarithmic, power, absolute value, and piecewise-defined functions, systems of equations, modeling, and solving real-world problems. Additional topics may include matrices, combinatorics, sequences and series, and conic sections. Students will use the standards for mathematical practice to engage with the subject matter.

AP/IB/Dual Enrollment

May be offered for Dual Credit.

Prerequisite/Fee(s)

Algebra 2

Course Materials

1. Composition or Spiral Notebook (3-ring binder with loose-leaf paper is okay as well)
2. Graph Paper
3. Pencils and erasers
4. Graphing Calculator, a TI 84 CE calculator is strongly recommended
5. Students will need access to the Internet to complete online homework. Students may attend tutoring

Adopted Resource(s)

College Algebra 12th Ed, Lial, Hornsby, Schneider & Daniels (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:

Arizona College Prep High School, 4477 S Gilbert Rd, Chandler, AZ 85249

Building principal:

Robert Bickes

bickes.robert@cusd80.com

Teacher:

Beth Trotti BA, MEd

trotti.elizabeth@cusd80.com

Office hours: Tuesdays 2:15 - 3:15 and by appointment

Course Access

This course is taught in-person at Arizona College Prep 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 in the [Student Handbook](#). Copies of the handbook can be found at <https://www.cusd80.com/Page/533>, and printed copies will be provided upon request.

Student Responsibilities

CLASSROOM EXPECTATIONS:

- + Be respectful to yourself, your classmates and me. This includes having respect for any property or belongings that are not owned by you personally. It also includes no put-downs, sarcasm, negativism, mocking, and profanity.
- + All work you turn in must be your own work and you may not assist in helping anybody else be dishonest in their work. You may not bring any unauthorized aid into any testing situation. If it is established that a student was dishonest on an assignment/assessment they will receive a referral to administration.
- + Come prepared everyday with your required supplies. Take care of personal business (restroom, refilling water bottle) before coming to class.
- + Students cannot wear their hoodies up during class and no headphones/earbuds are allowed during class unless specifically permitted by the teacher.
- + Cell phones and other electronic devices are to be placed in the pocket chart at the beginning of class. Failure to do so may result in a referral to administration.

TARDY POLICY:

- + If you are late because another teacher needed to speak with you, you must get a pass, or you will be marked tardy. You will not be allowed to return to that teacher for a pass after the fact.
- + You are expected to be in your seat and ready for class to begin when the bell sounds.
- + School tardy policy will be strictly enforced.

CONSEQUENCES:

The following actions will be taken for violations of any classroom expectations:

- 1st offense – Warning
 - 2nd offense – Student conference
 - 3rd offense – Call to parent/guardian
 - 4th offense – Referral to administration
- Depending on the severity of an incident, a referral may occur at any time.

ACADEMIC INTEGRITY:

- + The highest standards of academic integrity are expected from all students at all times.
- + The failure of any student to meet these standards may result in disciplinary action.
- + Anyone caught cheating on a quiz or test will receive a referral to administration.

HOMEWORK:

- + A weekly spiral review assignment will be given on Monday each week and due on Friday. Other assignments may be given during the week that if not finished during class will become homework. All assignments and due dates will be posted in Google Classroom.
- + To receive full credit: All steps/work must be shown along with corrections as needed. A list of answers is not acceptable. All problems must be attempted. The paper must be labeled with the assignment name, the student's first and last name and the period the student has College Algebra.
- + Homework and classwork turned in without the accompanying work shown will receive half credit. It will be the students' responsibility to re-submit the assignment with the appropriate work shown to receive full credit. This must be done prior to the unit test.

ABSENT WORK POLICY:

- + You are given one class period for each day you are absent from class. If you have questions about concepts that you missed, you can come see me during advisory or tutoring time for additional help. If you are sick, please keep me informed and we can adjust.
- + If you miss a test or quiz, and your absence is excused, you will take it when you return to school. This can be done after school during tutoring time. It is YOUR responsibility to make sure that any missed test or quiz is completed within the allotted time. Failure to complete quizzes and tests in the appropriate time will result in a score of 0.

Late work

Late homework will be accepted up until the day the unit test is given. After the unit assessment on that topic is given, no late work will be accepted. All due dates will be posted in Google Classroom along with the assignment instructions.

Assessments and Assignments

Students will complete assessments during each unit of study to assess their understanding. At the end of the first and second semesters, students will complete the CUSD Common Final. 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 90% - 100%
- B 80% - 89%
- C 70% - 79%

D 60% - 69%
F <60%

Quarter grades

Assessments 90%

Practice 10%

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 MAT340 College Algebra

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

Equations and Inequalities

Linear Functions

Quadratic Functions

Polynomial Functions

Rational Functions

Exponential Functions

Logarithmic Functions

Systems of Equations

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



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Teacher: Beth Trotti, trotti.elizabeth@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
Equations and Inequalities	<input type="checkbox"/>	<input type="checkbox"/>
Linear Functions	<input type="checkbox"/>	<input type="checkbox"/>
Quadratic Functions	<input type="checkbox"/>	<input type="checkbox"/>
Polynomial Functions	<input type="checkbox"/>	<input type="checkbox"/>
Rational Functions	<input type="checkbox"/>	<input type="checkbox"/>
Exponential Functions	<input type="checkbox"/>	<input type="checkbox"/>
Logarithmic Functions	<input type="checkbox"/>	<input type="checkbox"/>
Systems of Equations	<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.