



Chandler Unified School District

MAT491A College Mathematics

SY 2023-24



Course Overview

Course Description

Working knowledge of college-level mathematics and its applications to real-life problems. Emphasis on understanding mathematical concepts and their applications. Topics include proportional reasoning, modeling, finance, probability, and statistics. 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

- 3 ring binder with loose leaf paper
- Pencil and eraser (all work needs to be done in pencil)
- Printable notes (optional)
- Graphing Calculator – Much of the work in this course can be greatly simplified with the access to a TI-83 or TI-84 calculator. (My demonstrations will be done using a TI-84)

College Credit/Dual Credit: Perry High School, in conjunction with Chandler Gilbert Community College, offers high school students dual credit opportunities. All students must pass prerequisite qualifications in order to take this class for college credit. Students must maintain a minimum of a "C" average and pay the tuition fees to CGCC in order to receive college credit for this course. A total of 3 college credit hours MAT142 can be earned upon successful completion of the course. More information regarding prerequisite qualifications, tuition fees and specific dates will be provided in class in the coming weeks.

Adopted Resource(s)

Thinking Mathematically 5th Ed., Blitzer (Pearson/Prentice Hall)

**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:

Rebecca Ridenour M.S. Mathematics

ridenour.rebecca@cusd80.com

Office hours: 2:15pm-3:15 pm the days will vary and will be posted weekly.

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](https://cusd80.com/Page/45109) support for students, parents/guardians, and community link (cusd80.com/Page/45109)

Mental Health Support

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- 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

Students should show up to class on time every day. They are expected to participate, take notes, and complete homework assignments. If they are struggling, it is their responsibility to attend tutoring or ask for help. Cellphones and headphones should be put away during class. Cheating and unexcused absences will result in a 0 on the assignment or assessment and maybe referred to administration. Reviews will be posted in advance so if a student is absent on a review day they should still be prepared to take the test on the original date.

Late work

Late work will not be accepted. If you miss a review day, you will still be expected to take the test/quiz on the scheduled test/quiz day. Test and quizzes will be posted a week in advance.

Absent work should be completed in a timely manner. Failing to do so could result in falling behind in class. District policy is that students get an extra day for each absence they were excused for. Unexcused absences or tardies may result in no credit on assignments or assessments.

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

The grades for this class are cumulative throughout the semester.

- Homework/ Warm-up 20%
- o Graded on completion.
- o You're responsible for attempting ALL problems.
- o Will be turned in daily.
- o Weekly open note (paper only) homework quizzes.
- Assessments/Projects (chapter quizzes and tests) are 80%

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 MAT491A College Mathematics

Number Theory

Algebra: Equations

Algebra: Functions

Voting & Apportionment

Critical Thinking Skills

Set Theory

Measurement & Metrics

Graph Theory

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



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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
Number Theory	<input type="checkbox"/>	<input type="checkbox"/>
Algebra: Equations	<input type="checkbox"/>	<input type="checkbox"/>
Algebra: Functions	<input type="checkbox"/>	<input type="checkbox"/>
Voting & Apportionment	<input type="checkbox"/>	<input type="checkbox"/>
Critical Thinking Skills	<input type="checkbox"/>	<input type="checkbox"/>
Set Theory	<input type="checkbox"/>	<input type="checkbox"/>
Measurement & Metrics	<input type="checkbox"/>	<input type="checkbox"/>
Graph Theory	<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 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.