



Course Overview

Course Description

The college-level course meets the requirements for students to take the AP examination. The four major conceptual themes will be data analysis, study planning strategies, probability, and statistical inference. Technology, projects, writing, and cooperative group problem-solving are integral parts of this course. Students will use the standards for mathematical practice to engage with the subject matter.

AP/IB/Dual Enrollment

AP / May be offered for Dual Credit (CGCC MAT206 section 30002)

Prerequisite/Fee(s)

Precalculus or 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)

The Practice of Statistics 6th Ed., Starnes (BFW)

**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](https://cUSD80.com/Page/45109) 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.

To Be Successful

Students from previous years have a few tips they wanted to share to help students be successful in AP Stats:

- Take notes!
- Always remember to discuss context!
- Go in for tutoring.
- It's not as easy as my sister says. Don't be lulled into a false sense of security.
- Practice AP MCQs and FRQs all the time. Make sure to read the "why" on the scoring.
- The formula sheet is your best friend. Make sure it knows you appreciate it.
- Do more homework, it helps!
- Take the AP test, dual enrollment is not worth it.
- Review past quizzes and tests.
- Things get harder as the year goes on, so start good habits early on.
- Make note of key words necessary to do well on free response questions.
- Make flashcards of things you do not think you need to! They get similar and confusing quick.
- Don't be too stressed about it, also do your best to do your work and take notes on paper if that's something that helps you.
- There's a lot of English in the problems, and you DO need to read it.
- Save notes from previous quarters.
- Use Khan Academy/AP Classroom/your textbook/soft schools as an extra study source.

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

Homework will be accepted turned into google classroom one day late for 3/4 credit, two days late for ½ credit, and not accepted after that unless previously excused by the front office. However, the lowest homework score will be dropped every semester. In the event of an excused absence the missing work will be dealt with according to the Student Handbook. Homework will be checked in class each day and full credit will be given if all problems are done with work shown as needed, not just answers.

Assessments and Assignments

Students will complete assessments during each unit of study to assess their understanding, with around 2-3 assessments every 3 weeks. All assessments will be announced in class and written in the board as an upcoming event around a week before you are assessed. 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 the next week after returning to class (or as many class periods as given by the student handbook, whichever is greater).

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. For any students who do not take the AP exam, the semester 2 final exam will be a full-length AP exam given in the classroom, beginning on the day of the AP. For students who do take the AP exam, final exams will be just the part given during the CUSD Jr High/High School Early Dismissal days in December and May, as identified on the [District Calendar](#).

When 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.

Grading

Grade Percentage

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

Quarter grades

■ Assignments	15%
■ Quizzes	15%
■ Tests	70%

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:

AP Score:	5	4	3
Boost to semester grades:	+7%	+5%	+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 MAT425 AP Statistics

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

Unit 1: Exploring One-Variable Data

Unit 2: Exploring Two-Variable Data

Unit 3: Collecting Data

Unit 4: Probability, Random Variables, and Probability Distributions

Unit 5: Sampling Distributions

Unit 6: Inference for One Categorical Variable (Proportions)

Unit 7: Inference for One Quantitative Variable (Means)

Unit 8: Inference for Two Categorical Variables (Chi-Square)

Unit 9: Inference for Two Quantitative Variables (Slopes)

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



Chandler Unified School District

MAT425 AP Statistics

SY 2024-25



Site: Hamilton High School

Building Principal: Dominic Romero, romero.dominic@cusd80.com

Teacher: Ashley Rall, 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
Unit 1: Exploring One-Variable Data	<input type="checkbox"/>	<input type="checkbox"/>
Unit 2: Exploring Two-Variable Data	<input type="checkbox"/>	<input type="checkbox"/>
Unit 3: Collecting Data	<input type="checkbox"/>	<input type="checkbox"/>
Unit 4: Probability, Random Variables, and Probability Distributions	<input type="checkbox"/>	<input type="checkbox"/>
Unit 5: Sampling Distributions	<input type="checkbox"/>	<input type="checkbox"/>
Unit 6: Inference for One Categorical Variable (Proportions)	<input type="checkbox"/>	<input type="checkbox"/>
Unit 7: Inference for One Quantitative Variable (Means)	<input type="checkbox"/>	<input type="checkbox"/>
Unit 8: Inference for Two Categorical Variables (Chi-Square)	<input type="checkbox"/>	<input type="checkbox"/>
Unit 9: Inference for Two Quantitative Variables (Slopes)	<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.