



Chandler Unified School District

MAT430A Introduction to Statistics

SY 2023-24



Course Overview

Course Description

Students will explore how data analysis, strategies in planning a study, probability, and statistical inference. Technology, projects, and cooperative group problem-solving are integral to this course. 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)

Precalculus or Algebra 2

Course Materials

- A notebook specifically for our class
- A graphing calculator (TI STRONGLY preferred. TI-84 Plus CE will be demonstrated in class and can be used on the ACT as well.)
- Writing utensils: pencils or dark colored pens and red or other colored pens.
- Expo markers for use in class.

Adopted Resource(s)

Statistics and Probability with Applications 3rd Ed., Starnes & Tabor (BFW)

**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:

Jordan Wilt, BAE
wilt.jordan@cusd80.com

Office hours: Every morning, 7-7:30am, or by appointment

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](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

Technology:

With the 1:1 technology initiative, it is the responsibility of the student to bring their fully charged laptop to school every day. Technology is a tool no different than a pencil. Like all school supplies, students are expected to have the supplies needed to learn.

Discipline Protocol:

It is the expectation that students hold themselves to high standards. The teacher will address students who are not meeting these expectations. Typical classroom behaviors consequences these are they standard progression for discipline

a warning

a warning with a phone call

a Parent-teacher conference

a referral.

Our goal is to work with families to ensure that all students have a safe and focused learning environment.

Tardy Protocol:

Students are expected to be in their seats when the bell rings and ready to learn. If a student is tardy to class teachers will follow this progress to rectify students being late to class.

a warning on their first and second offense.

the teacher will email / call home.

Notify Attendance Interventionist and email / call home.

On the fifth offense, the teacher will refer the student to our Attendance Interventionist, who can work with families and assign Saturday school if necessary.

The teacher has the option to provide their own lunch detention at their discretion instead of writing a conduct referral.

Absences:

Students who have excused absences have at least one day every day they are absent to make up the work they missed. Excessive absences can result in the loss of a credit for the course.

Food and Drink:

There is no food or drink allowed in the classroom except water.

Finals:

Finals are not given early. Absent students will receive a zero until they can take the final.

Late work

Homework will be worth 10% of the quarter grade. Half credit will be given for assignments that are not fully completed or turned in late. No credit will be given for assignments that are not 50% completed.

Students must complete all work to get full credit, practice skills, and prepare for assessments. If students do not complete assignments, tests will be very difficult to pass. This is a college-level course and students must be ready to work at that level. 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. 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 - 10%
- Quizzes - 20%
- 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 the remaining 20%.

Units of study

Units for MAT430A Introduction to Statistics

- Unit 1: Analyzing One-Variable Data
- Unit 2: Analyzing Two-Variable Data
- Unit 3: Collecting Data
- Unit 4: Probability
- Unit 5: Random Variables
- Unit 6: Sampling Distributions
- Unit 7: Estimating a Parameter
- Unit 8: Testing a Claim
- Unit 9: Comparing Two Populations or Treatments
- Unit 10: Inference for Distributions and Relationships

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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
Unit 1: Analyzing One-Variable Data	<input type="checkbox"/>	<input type="checkbox"/>
Unit 2: Analyzing Two-Variable Data	<input type="checkbox"/>	<input type="checkbox"/>
Unit 3: Collecting Data	<input type="checkbox"/>	<input type="checkbox"/>
Unit 4: Probability	<input type="checkbox"/>	<input type="checkbox"/>
Unit 5: Random Variables	<input type="checkbox"/>	<input type="checkbox"/>
Unit 6: Sampling Distributions	<input type="checkbox"/>	<input type="checkbox"/>
Unit 7: Estimating a Parameter	<input type="checkbox"/>	<input type="checkbox"/>
Unit 8: Testing a Claim	<input type="checkbox"/>	<input type="checkbox"/>
Unit 9: Comparing Two Populations or Treatments	<input type="checkbox"/>	<input type="checkbox"/>
Unit 10: Inference for Distributions and Relationships	<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.