



Chandler Unified School District

MAT465A Honors Business Math and Brief Calculus

SY 2023-24



Course Overview

Course Description

Honors Business Math and Brief Calculus is a mathematics course designed for students of high math ability. Topics covered will include Probability, Set Theory, The Counting Principle, Combinations, Permutations, Systems of Linear Equations, Matrices, Linear Programming, Functions and Limits, Differentiation and its Applications, Exponential and Logarithmic Functions, Integration and its Applications, and Multiple Variation. 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 or Precalculus

Course Materials

Students will need a graphing calculator, pencils or pens, and a notebook or folder. TI-84 is the preferred calculator.

Adopted Resource(s)

Mathematics An Applied Approach 8th Ed., Sullivan & Mizrahi (Peoples Education, c/o Wiley & Sons)

**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:

Stephanie Carrasco BA, MEd

carrasco.stephanie@cusd80.com

Office hours: Office hours will vary and will be posted in the classroom

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](#) 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)

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- 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

To attend class regularly and use class-time wisely.

To be in your seat with homework and warmup out ready to work when the bell rings.

To be prepared for class

To have a positive attitude

To be respectful to yourself, your peers, and your instructor.

All policies and rules as outlined in the student handbook.

The cheating policy as outlined in the handbook will be strictly enforced.

A cell phone out during a test or quiz will constitute cheating, no cell phones allowed during test/quiz days, even if you are done.

Late work

You are expected to make up any work missed because of an excused absence including any class work. It is your responsibility to find out what work was done while you were absent, check the white board, website or contact me. You will be given one day for every excused absence. After that, no late work will be accepted. If you miss a review day, you will still be responsible to take the quiz or test. If you miss a quiz or test day, it is your responsibility to set up an appointment with me to make it up.

UNEXCUSED ABSENCES WILL RESULT IN A ZERO FOR THAT DAY'S ASSIGNMENT.

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 15%

Graded on completion.

You're responsible for attempting ALL problems.

Will be turned in weekly.

Weekly open note homework quizzes.

Assessments/Projects (chapter quizzes and tests) are 85%

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 MAT465A Honors Business Math and Brief Calculus

Functions & their graphs

Classes of functions

Limits of functions

Derivative of a function

Graphing functions; optimization

Integral of a function & applications

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



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Teacher: Stephanie Carrasco, carrasco.stephanie@cusd80.com

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
Functions & their graphs	<input type="checkbox"/>	<input type="checkbox"/>
Classes of functions	<input type="checkbox"/>	<input type="checkbox"/>
Limits of functions	<input type="checkbox"/>	<input type="checkbox"/>
Derivative of a function	<input type="checkbox"/>	<input type="checkbox"/>
Graphing functions; optimization	<input type="checkbox"/>	<input type="checkbox"/>
Integral of a function & applications	<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.