

Welcome to HAIS ECHS 2023-24

Mathematics Syllabus

UT OnRamps Algebra 2

2023-24 | August 28th, 2023 - June 5th, 2024

Contact Information



Mathematics Teacher

Ms. Judy Hoang

Classroom

Rm 202

TEAMS/Outlook

JHoang@HoustonISD.org

Office Hours

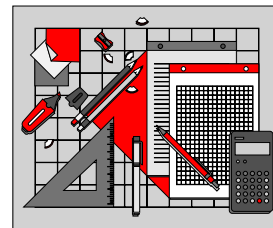
A2, B7

Google Voice

(832) 930 - 3337

Tutorial

Monday/Wednesday 3:30-4:30PM



“Education is the most powerful weapon which you can use to change the world.”

– Nelson Mandela

Welcome!

Algebra is the FOUNDATION for all high school, college, and trade school mathematics. It is a TOOL that provide ways to solve problems. “You can’t build a great building on a weak foundation.” Gordon B. Hinckley

Students will experience a high-quality curriculum designed by the faculty at **The University of Texas at Austin**. The pedagogy of the course, **Inquiry-Based Learning**, encourages students to take an active role in the construction of their learning. This learning will be accomplished by abstraction, generalization, problem-solving, and modeling.

In this UT OnRamps College Algebra (**ORCA**) course, students deepen their critical thinking skills and develop their ability to persist through challenges as they explore function families: Linear, Absolute Value, Quadratic, Polynomial, Radical, Rational, Exponential, and Logarithmic. Students analyze data algebraically and with technology while developing their knowledge of properties of functions, matrices and systems of equations, and complex numbers.

Course Outline

UNIT	TOPIC	COLLEGE EXAMS	COLLEGE CREDIT ELIGIBILITY
1	Thinking Like a Mathematician	Exam 1: Units 1-2	This is a distance college course delivered via a dual enrollment model which means you may earn credit for College Algebra (M 301) in addition to earning high school credit (Algebra 2). Eligibility refers to whether or not you meet criteria to be eligible for the opportunity to earn college credit.
2	Functions		
3	Systems		
4	Matrices	Exam 2: Units 3-4	
5	Quadratic Functions	Exam 3: Units 5-6	
6	Complex Numbers		
Semester 1 Midterm			
7	Polynomial Functions	Exam 4: Units 7-8	
8	Modeling and Data Analysis		
9	Rational and Radical Functions	Exam 5: Unit 9	
10	Exponents, Logs, e	Exam 6: Unit 10	
Semester 2 Final Exam			
11	Sequences and Series	<i>Not tested</i>	

End of Year Goal

Meet the minimum eligibility grade of D (59.50) on selected college assignments and assessments.

All Exams, Exercise Assessments, College Homework assignments for Units 1-6, the Semester 1 Midterm, Orientation, and Learning Strategies Rounds 1 & 2 completed in the first semester contribute to your eligibility grade.

All early college students are expected to complete the Texas Success Initiative Assessment (TSIA) in English and Mathematics. Students scoring at or above the benchmarks are considered “college ready” and eligible to enroll in any entry level college course.

Class Materials

- College Ruled or Graph Paper Composition Notebook
- Wooden or Mechanical Pencils and Eraser
- Fully Charged Laptop and Charger

Expectations (PR)²

<u>POSITIVE</u>	<u>RESPECTFUL</u>	<u>PRODUCTIVE</u>	<u>RESPONSIBLE</u>
Community	Yourself	Time Management	Ask for help
Safe and Inclusive	your classmates	We try our best	Ask questions
Open-minded	your environment	We learn from mistakes	Be on time

Class Procedures

<u>Start of Class</u>	<u>Class Time</u>	<u>End of Class</u>
Be on Time	Actively Participate	Clean up the last 3 minutes
Find your seat	Time Management	Return materials to station
Read the board	Work Hard	Sanitize your area
Complete Activity	Ask questions	Stay seated until dismissed

Attendance Policy

- Be on time.
- Students who arrive 15 or more minutes late, without a pass, will be marked ABSENT.
- **Absence:** If you are absent, it is your responsibility to communicate. You may make arrangements to attend tutorials or stay afterschool to complete your work.

Assignments

- High school and college assignments are expected to be turned in by the due date.
- Physically paper assignments must be submitted at the beginning of class.
- Electronic assignments must be completed and timestamped accordingly.

Late Work Policy

- Per UT OnRamps, late work is not allowed on any college assignments. *Any extenuating circumstance will be reviewed on a case-by-case basis between the high school Instructor and OnRamps Course Staff.*
- If you are missing any high school assignments, you will receive a ZERO for a grade, until the assignment has been completed and turned in accordingly.
 - Immediately after the due date, maximum possible points 80%.
 - Missing assignments are acceptable up to 2nd week late, maximum possible points 70%
 - For any late submission, you must communicate in WRITING to the teacher.

Tutorials

If there are any question/concerns, I am available on Monday and Wednesday after school at 3:30PM -4:30PM in Rm 202.

Restroom

20/20 Rule: No students will exit the classroom during the first 20 minutes and last 20 minutes.

- Ask for permission.
- Take the hall pass.

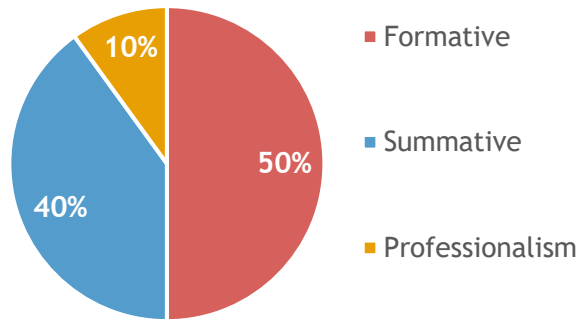
Cell Phone Policy

Away and Out of Sight: Put away all phones or headphones. When you enter the classroom, they need to be put away and silenced. **Failure to comply will result in the following:**

5. Warning
6. Phone will be taken up (Returned at the end of class)
7. Parents will be notified, and phone will be taken up (Returned at the end of day)
8. AP Referral, Parent-Student Conference (Phone will be sent to Main Office)



High School Grading Period



Formative	Summative	Professionalism
EXERCISES	HIGH SCHOOL QUIZZES	PARTICIPATION
HIGH SCHOOL & COLLEGE HOMEWORK	COLLEGE EXAMS	NOTEBOOK
LEARNING STRATEGIES		ENGAGEMENT
ONRAMPS ORIENTATION		

Final Exam/Project*

UT OnRamps Grading Rubric

ASSESSMENTS	FREQUENCY	% COURSE GRADE
College Exams	3 Unit Exams and the Semester 1 Midterm in the Fall; 3 Unit Exams and the Semester 2 Final in the Spring	75%
Exercise Assessments	3 in the Fall; 3 in the Spring	10%
College Homework	12 in the Fall and 12 in the Spring	8%
Learning Strategies	3 times throughout the year; 2 in the Fall and 1 in the Spring	5%
OnRamps Orientation	Once	2%
TOTAL		100%

Acknowledgement

Communication is very important in any situation. Students are responsible to be communicative and take ownership of your success.

- Please utilize HISD e-mail, Microsoft Teams, and/or visit Ms. Judy Hoang in Rm 202.

The expectation is for all students to do their part to help this school follow its mission and reach its goals. To do so, each student must adhere to the code of conduct and school policies.

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Student Information

Student Name

HISD ID Number

Period

Parent/Guardian 1 Name

Primary Contact (Phone or Email)

Secondary Contact (Phone or Email)

Parent/Guardian 2 Name

Primary Contact (Phone or Email)

Secondary Contact (Phone or Email)

Acknowledgement

Communication is very important in any situation. Students are responsible to be communicative and take ownership of your success.

I acknowledge that I have access to a physical and electronic copy of the student syllabus. The contents of the student syllabus have been explained and/or read to me. I understand the requirements concerning textbook(s) required, assignments, testing, and how my high school and college grade will be determined. I have read and fully understand the policies and procedures of the class syllabus. I am aware that the students will be held accountable for their actions as described in this document.

Student Name (Printed)

Student Signature

Date

Parent/Guardian Name (Printed)

Parent/Guardian Signature

Date