



ADVANCED GEOMETRY COURSE SYLLABUS 2021-2022

INSTRUCTOR	E. Simi
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OFFICE HOURS	W & F 3:00PM - 4:30PM
ROOM	3210
WEBSITE	www.houstonisd.org/waltrip
COURSE OVERVIEW	Geometry is a branch of mathematics concerned with questions about points, lines, planes, and space. It investigates two and three-dimensional figures and the properties and definitions surrounding them.
ABOUT THE TEACHER	Hello, I am Mrs. Simi! Welcome to my geometry class. I studied to become a structural engineer at Oklahoma State University and worked in this field for about six years after graduating in 2015. I finally decided to pursue teaching last year and became a math teacher here at Waltrip. I have always loved mathematics and I hope that being in my class will make you see it in a way that is enjoyable for you too. My classroom is designed to be a tool for you to become empowered in math, learning, and self-growth.
CURRICULUM RESOURCES	School District Curriculum (located in the HUB) & Pearson Geometry (located in the HUB under Digital Resources)
COURSE TOPICS	<ul style="list-style-type: none">▪ Unit 1: Geometric Foundations with Algebraic Connections▪ Unit 2: Conditional Statements▪ Unit 3: Parallel and Perpendicular Line▪ Unit 4: Equations of Parallel and Perpendicular Lines▪ Unit 5: Triangle Inequality▪ Unit 6: Spherical and Euclidean Geometry▪ Unit 7: Rigid Transformations▪ Unit 8: Generalizations About Triangle▪ Unit 9: Corresponding Parts of Congruent Triangles▪ Unit 10: Triangle Proofs▪ Unit 11: Relationships Within Triangle

- Unit 12: Non-Rigid Transformation
- Unit 13: Similarity
- Unit 14: Right Triangles and Trigonometry
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- Unit 15: Circle Measurement
- Unit 16: Circles in the Coordinate Plane
- Unit 17: Circle Theorems
- Unit 18: Polygonal Angle Sum Theorem
- Unit 19: Properties of Quadrilaterals
- Unit 20: Area of Circles and Polygons
- Unit 21: Trigonometry and Area
- Unit 22: Surface Area
- Unit 23: Volume
- Unit 24: Experimental and Theoretical Probability
- Unit 25: Permutations and Combinations
- Unit 26: Compound Probability
- Unit 27: Conditional Probability

GRADING SCALE

- 50% Classwork/Homework (minimum 1 per week)
- 30% Tests/Projects/Quizzes (minimum 1 per week)
- 20% Daily Participation (warm-up, exit ticket, notes, & attendance)
- **Any work not turned in will result in a zero**
- **To pass this class, students must pass both semesters and the final exams with a 70+ average**

LATE WORK

It is the student's responsibility to check with the teacher about missing or make-up work. Students have up to **3 days** to turn in missing work from absences. Reminders will be given when possible, but **ultimately it is the student's responsibility**. Late work will not receive full points and the **maximum score is 80**. Visit Mrs. Simi during office hours for help with make-up work.

SEMESTER NOTEBOOK

Students will keep an organized binder for this class. Bring it to class every day. The binder will store blank note paper, class notes, homework, quizzes, tests. Students with an organized notebook will receive extra credit periodically.

CLASSROOM NORMS & EXPECTATIONS

- Be prepared when you arrive for class
 - Get your geometry notebook and pencil out
 - Laptop should be charged or plugged in
- We will be using HISD's TI-84 Plus calculators, stored in class
- You are expected to take notes from teacher instruction
- **Cell phones are not permitted**. If seen, it will be confiscated until the end of class and an incident will be filled out on your discipline form

- **Headphones are not permitted unless stated otherwise.** If you believe you will focus/perform better in class with headphones, please see Mrs. Simi after class
- Do not interrupt instruction time
 - If you need to go to the bathroom, give the bathroom signal; I will nod and you can fill out the pass and go
- The assignment of homework is considered minimal to develop a proficiency in this course
- Homework is due upon the start of class unless stated otherwise
- Embrace challenge and struggle as part of learning
- As a student at Waltrip High School, you are entrusted with academic integrity. Honesty, respect, fairness, and responsibility will be expected. Cheating will not be tolerated

DISCIPLINE LADDER FORM

- 1st incident – Verbal reminder
- 2nd incident – I will open a Discipline Ladder Form in your name
- 3rd incident and so on – see form for details

I truly look forward to helping you succeed in this class. Please do not hesitate to stop by or email me about any questions, concerns, or comments you may have regarding to this course.

WALTRIP HIGH SCHOOL

Geometry Course Student and Parent Signature Form

I have read and agree to the expectations, policies, rules, and consequences set forth in this syllabus. My signature below indicates this agreement.

Student Signature

Date

Student Name (printed)

Parent/Guardian Signature

Firma del padre/tutor

Date

Fecha

Parent/Guardian Name (printed)

Nombre del padre/tutor

Relation to student

Parent Phone or Email