



Course Syllabus

Pre-Algebra | Summer 2021

Objective: To gain an understanding on the basic fundamentals of Algebra and Geometry to allow students to be prepared to apply those concepts to future mathematics courses.

Prerequisites: Basic Arithmetics

Instructor Contact Information:

Joy Suh

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Class Times:

Lecture: Monday/ Wednesday/ Friday 3:00 PM - 4:30 PM, June 21 - July 30. Holiday on July 5th.

Required Materials:

- Notebook for taking notes
- Folder for handouts, worksheets, etc.
- Calculator
- Pencils, erasers, etc.

Books and Course Material: Please bring a notebook and writing utensil to take notes. Also bring a scientific and graphing calculator if you have one. Purchase of a textbook is NOT required for participation in this course.

Google Classroom: We will be using Google Classroom for class communications, announcements, assignments, grades, materials, and ask any questions.

Additional Help: Questions can be posted to the Google Classroom or sent via email. If questions are about a specific problem, photos are helpful when asking questions about your work

Homework: I will regularly assign homework. Homework is a big part of this course and students will be expected to complete homework to the best of their ability before every class. We will spend the first part of each class going over the previous homework. I will also assign short pre-class assignments as a quick introduction to the material that will be covered in the following lecture. All assignments will be collected and graded, with the result entered into the progress report.

Quizzes: Quizzes will be scheduled with a minimum of a week's notice. Solutions will be made available after with grades input in Google Classroom.

Notes: Please bring a notebook and pencil to take notes. This is not graded or collected, but it is a good habit to always take notes in any class for future reference, studying, or staying awake during lecture.



Final Exam: A comprehensive final exam will be administered on the second to last day of class. Corrected exams with feedback will be returned in the final lecture, where exam questions can be discussed as a class.

Grading: Grades for homework, in-class quizzes, and exams will be inputted into Google Classroom for you to monitor your own progress.

Tentative Nature of the Syllabus: The contents of this syllabus and attached schedule are tentative in nature and may be subject to change or revision. The instructor holds the right to make changes to the schedule and/or organization of the class as necessary. Students and parents will be identified of any changes via email.

Special Accommodations: If your student requires special accommodations, please notify the instructor as soon as possible.

Tentative Schedule

Date	Lesson	Topic
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Week 1: 6/21 (Mon)	Lecture 1	Analyzing Sequences and Operations with Fractions
Week 1: 6/23 (Wed)	Lecture 2	Powers and Roots and Properties of Exponents
Week 1: 6/25 (Fri)	Lecture 3	Rational and Irrational Numbers
Week 2: 6/28 (Mon)	Lecture 4	Scientific Notation and its Operations
Week 2: 6/30 (Wed)	Lecture 5	Writing Expressions and Solving Equations
Week 2: 7/2 (Fri)	Lecture 6	Slope-Intercept Form and Proportional relationships
Week 3: 7/5 (Mon)		Holiday
Week 3: 7/7 (Wed)	Lecture 7	Graphing and Solving Systems of Linear Equations
Week 3: 7/9 (Fri)	Lecture 8	Geometry Review
Week 4: 7/12 (Mon)	Lecture 9	Transformations and Compositions
Week 4: 7/14 (Wed)	Lecture 10	Properties of Geometric Figures
Week 4: 7/16 (Fri)	Lecture 11	Review Mid-Term
Week 5: 7/19 (Mon)	Lecture 12	Pythagorean Theorem
Week 5: 7/21 (Wed)	Lecture 13	Surface Area and Volume
Week 5: 7/23 (Fri)	Lecture 14	Analyzing Data and Bivariate Data
Week 6: 7/26 (Mon)	Lecture 15	Median-Median Lines and Two-Way Tables
Week 6: 7/28 (Wed)	-	Final Exam
Week 6: 7/30 (Fri)	-	Review Final Exam