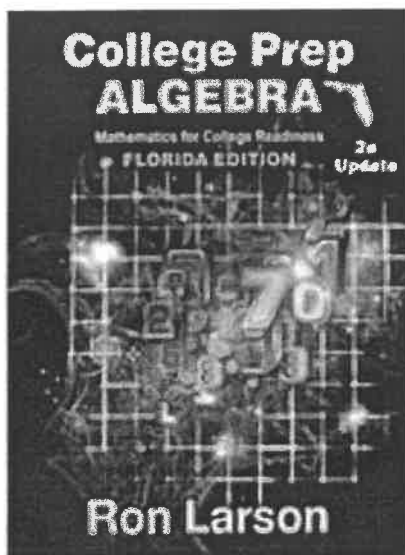


Math for College Algebra Course Description - Ms. Stephanides

Textbook-College Prep Algebra - Ron Larson



COURSE OVERVIEW: In Mathematics for College Algebra, instructional time will emphasize five areas: (1) developing fluency with the Laws of Exponents with numerical and algebraic expressions; (2) extending arithmetic operations with algebraic expressions to include rational and polynomial expressions; (3) solving one-variable exponential, logarithmic, radical and rational equations and interpreting the viability of solutions in real-world contexts; (4) modeling with and applying linear, quadratic, absolute value, exponential, logarithmic and piecewise functions and systems of linear equations and inequalities; (5) extending knowledge of functions to include inverse and composition.

This course aims to develop the algebra/geometric concepts while developing problem-solving skills. This includes developing processes that can be used to solve a variety of real world and mathematical problems using concrete models. The content will include applying concepts of algebra, geometry, number and operations, probability and statistics, and problem-solving. Manipulatives, calculators, and computers will serve as instructional tools in concept development.

**The fundamental purpose of the Math for College Algebra course is to reinforce previously learned math topics and expand on them to reach proficiency in order to prepare for success in higher Math level courses in the future.*

GOALS

- develop mathematical intuition and a relevant base of mathematical knowledge
- gain experiences that connect classroom learning with real-world applications
- develop a positive attitude about learning and using mathematics
- build techniques of reasoning for effective problem solving
- learn to apply, display, and communicate knowledge

To view a detailed list of performance standards for this course, please visit this website:

<https://www.cpalms.org/PreviewCourse/Preview/22459>

We will work on practice problems to get students used to the type of questions they will see on standardized tests. We will also be taking assessments on computers to get students comfortable solving math problems on the computer using the tools that are generally provided during various tests.

GRADE DISTRIBUTION

Assessment of Knowledge 80% (Graded Homework, Classwork, Assessments, Projects, Activities)
Employability 20% (Attendance, Punctuality, Behavior, Dress Code, Homework)

**Employability skills include but are not limited to the following: attendance, punctuality, preparedness for class, time on task, completing assignments, appropriate dress, following classroom procedures.*

Quarter 1 and 2 are each worth 40% with the midterm worth 20%.

Quarter 3 and 4 are each worth 40% with the Final Exam worth 20%.

Student performance will be evaluated and reported based upon **mastery of standards**.

A	Superior progress	90-100
B	Commendable progress	80-89
C	Average progress	70-79
D	Lowest acceptable progress	60-69
F	Failure	0-59

Plagiarism/AI (Artificial Intelligence):

Do not copy another student's work. Cheating of any kind is not tolerated. Cheating or copying another student's work may result in a referral will be written, a loss of employability points, and a zero for the assessment/assignment will be entered as a grade. Students must be responsible for appropriate use of AI programs, including but not limited to ChatGPT, in our learning environment. When used incorrectly AI can severely limit the potential learning goals for students. With the use of AI students must maintain the integrity of academic work and follow ethical guidelines. Prior teacher approval is necessary for any AI-related activities.

Student Code of Conduct:

[https://core-docs.s3.us-east-1.amazonaws.com/documents/asset/uploaded file/4647/SCS/4039751/FINAL SCSC Code of Student Conduct Secondary 2024-2025.pdf](https://core-docs.s3.us-east-1.amazonaws.com/documents/asset/uploaded%20file/4647/SCS/4039751/FINAL%20SCSC%20Code%20of%20Student%20Conduct%20Secondary%202024-2025.pdf)

Parent Portal for FOCUS Attendance, Grades, and Schedule:

<https://www.youtube.com/watch?v=RMOaWVIFmVw&t=12s>

<https://www.sarasotacountyschools.net/o/scs/page/parents-and-students>

SAT INFO:

<https://satsuite.collegeboard.org/sat>

ACT INFO:

<https://www.act.org/content/act/en/products-and-services/the-act/registration.html>

Khan Academy:

<https://www.khanacademy.org/>