

West Los Angeles College
Course Syllabus
Math 110 -Introduction to Algebraic Concepts
Section # 1456 5 Units

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Phone: (310) 287 – 4318
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Office Hours: By Appointment

Class Meets:

Monday – Thursday 935 - 1050

Prerequisite: Mathematics 105 with a grade of ‘C’ or better or appropriate placement level demonstrated through math assessment process.

Course Description: This course prepares students for algebra. It discusses abstract ideas necessary for understanding algebra and reviews selected topics in arithmetic relevant to algebra. It introduces fundamental notions of algebra including signed numbers, variables, simple equations, proportional reasoning, applications, and modeling. This course also includes group instruction in mathematics study skills.

Course Objective:

Upon successful completion of this course, the student will be able to demonstrate mastery and habits that will prepare them for Math 125 College Algebra. Students will have a secure understanding with arithmetic pre-algebraic and geometric concepts. Students will be guided to math resources at the college, including tutoring, videos, websites, and math computer tutorials.

Course Text and Materials: Pre-Algebra, 6th Edition, by Elayn Martin-Gay. You need a textbook right away!

Materials: Bring your textbook, your math notebook (with paper) and pencils to class every day. A calculator is not necessary and use will not be permitted on test. **Otherwise you may use a calculator to check your calculations only!**

Course Requirements

1. The methods of instruction in this class will be lecture, discussion, and group learning. You are expected to take an active role in this learning. You are responsible for all information covered in class. Taking good notes in a math notebook on concepts and examples is necessary!

2. We will cover chapters 1 – 9. We will cover one or two chapter sections every class meeting. I strongly recommend that you read the material we will cover prior to class!

3. ATTENDANCE: You are expected to attend regularly and on time, with cell phones turned off. Attendance to all class sessions is required. Please plan your schedule so that you arrive on time. A significant number of absences will affect your grade. You may be dropped due to excessive absences. Nonetheless, you should not, under any circumstances, assume that you will be officially dropped from the class role by the instructor. It is the student’s responsibility to officially drop that course if they decide to do so.

4. GROUPWORK and QUIZZES: Occasionally we will use group learning sessions in class. Groupwork will intermittently be collected and graded. You may also have short homework quizzes. Cooperative work and short homework quizzes will usually be scored on a 5 point scale. There will be no make up quizzes.

Assessment and Course Grades

Homework: Essential to pass this course -Practice! All homework problems must be done to assure adequate preparation for examinations. You are expected to do 5 – 10 hours of homework per week! Homework will be assigned daily. At the beginning of each class, we will go over the previous night's homework, so make sure you have completed it so that you can participate in the discussion. Copy each problem, and present the solution clearly. Box your answers in order, and identify with your name and chapter number. Late homework will not be accepted. Answers to all assigned problems are in the back of the book. Group work and in class quizzes will count **10% of your grade.**

Test: You will have approximately 5 in-class exams (closed- book, closed-notes) given approximately every 2 -3 weeks, and will cover material from one or part of one chapter. The first test will be on Chapter 1. Each exam is graded on a 100 point scale. **These exams will count for 45% your grade.**

Final Exam: The Cumulative final exam will count for **30%of you grade.** **No make-up final will be given.**

Grading:

90 – 100%	A
80 – 89 %	B
70 – 79 %	C
60 – 69 %	D
Under - 60%	F

Official Institutional SLOS- Student Learning Outcomes

A.) **Critical Thinking:** Analyze problems by differentiating fact from opinions, using evidence, and using sound reasoning to specify multiple solutions and their consequences.

C) **Quantitative Reasoning:** Identify, analyze , and solve problems that are quantitative in nature

F.) **Technical Competence:** Utilize the appropriate technology effectively for information, academic, personal and professional needs.

Official Program SLOs

1. Apply quantitative thinking processes using basic mathematical operations to solve common academic, workplace, and family problems. Theme: Mathematical operations.

3. Use mathematical tools essential for analyzing quantitative problems and for producing solutions. Theme: mathematical tools

5. Select appropriate math strategies for solving and handling real life problems involving finance, economics , and family issues. Theme: mathematical problem solving

Course SLOs

At the end of this course, the student will be able to :

1. Solve elementary, practical applications using fractions and decimals.

2. Construct variable representations in abstract and applied context.

3. Solve problems involving proportions and percents.

***Students with disabilities or special circumstances may notify the instructor of accommodations that may be required.

Note: Classroom Policies and procedures may change without notice.

