

L.A.M.C.

Math-112, SPRING 2013 Section 3326

Instructor: Oscar E. Garcia - E-mail: GarciaOE@lamission.edu
Office Phone: (909) 263-1197
Textbook: Prealgebra, Sixth Edition.
Author: Elayn Martin-Gay
Lecture Hours: Tuesday 6:50 PM to 10:00 PM,
Office Hours: Tuesday 6:00 – 6:50 or prearranged by calling 909-263-1197
Office Hour Location: Library, first floor, in front of the Math lab.
Course ID: garcia67651

Course Objective

This course is an introduction to algebra, and attempts to teach students how to read, write, and think using simple arithmetic language, analytical skills, and lots of common sense. The course begins with emphasis in the required arithmetic foundation, and gradually moves into algebra. Throughout the course we will have a great deal of opportunities to practice the learned skills.

Tutoring: If you would like to get additional assistance, free tutoring is available M-Thu from 11:00 AM to 7:00 PM in the LRC. You may access MyMathLab online tutorial for additional help @ www.coursecompass.com

Homework: Students enrolled in this section of Math 112 are required to register with MyMathLab online program and enroll in my section course ID: garcia67651 to complete the required online homework and quizzes. Students must complete all online homework and chapter quizzes by the stated due date shown online. Textbooks purchased online or at other bookstores may not include the access code for MyMathLab. In that case students may purchase the access code for MyMathLab separately online at <http://pearsonmylabandmastering.com>.

Grade: Your grade will be determined by five exams to be given during the semester and the final exam. Together, all homework and quizzes will count for one test. All exams will be grade according to the following scale:

A: 90% to 100% B: 80% to 89% C: 65% to 79% D: 50% to 64% F: below 50%

Final Exam: May 28, 2013, 8 to 10:00 PM

Withdrawals: If you wish to drop the class, you must do so in person on or before Friday, May 3, 2013 or on the internet on or before Sunday, May 5. Failure to drop the class may result in a grade of "F" in the class.

***Special Note: Student Learning Outcomes (SLO) for Math 112**

1. Perform operations and simplify numerical and algebraic expression involving integer and rational numbers.
2. Write linear equations for word problems and solve.

Student Learning Outcomes will be assessed periodically. During the SLO assessment semester, the math department will provide a set of questions for instructors to include the questions in their final exam. Instructors will grade the questions according to a given rubric and will report the result of the assessment in a table format provided by the department.

Course Outline

Topics to be covered	Sections	Time Line
Operations on Whole Numbers; Rounding; Exponents; Order of Operations and Introduction to Variables; Expressions and Equations.	Chapter 1: All 8 Sections	1 Week
Operations on Integers, and Solving Equations	Chapter 2: All 6 Sections	1 ½ Weeks
Simplifying Algebraic Expressions by combining like terms; Solving Equations and Problem Solving	Chapter 3: All 4 Sections	1 Week
Fractions and Mixed Numbers: Operations on Fractions and Mixed Numbers; GCF; LCM; Complex Fractions and review of Order of Operations; and Solving Equations	Chapter 4: All 8 Sections	2 Weeks
Decimals: Operations on Decimals; Fractions and Decimals; Solving Equations	Chapter 5: (skip 5.7)	2 Weeks
Ratio, Proportion and Triangle Application: Ratios and Rates; Proportions & Problem Solving; Square Roots and the Pythagorean Theorem; Congruent & Similar Triangles	Chapter 6: All 5 Sections	1 Week
Percents: Percents, Decimals and Fractions; Solving Percent Problems; Applications of Percent; Problem Solving (Compound Interest: Optional)	Chapter 7: All 6 Sections	1 ½ Week
Graphs: Reading graphs; Plotting Ordered Pairs; Graphing linear Equations in Two Variables	Chapter 8: (skip 8.5)	½ Week
Geometry: Lines and Angles; Perimeters; Areas, Volumes and Surface Areas; Linear Measurement; Weight and Mass; Capacity.	Chapter 9: (skip 9.7)	1 Week
Exponents and Polynomials: Adding and Subtracting Polynomials; Multiplication Properties of Exponents; Multiplying Polynomials.	Chapter 10: (10.4 Optional)	½ Week

Resources Available to Students at LA Mission College:

- **Bookstore:** For hours of operation, book availability, buybacks, and other information call (818) 364-7798 or 364-7768 or visit: <http://eagleslanding.lamission.edu/>
- **Counseling Department:** For appointments/ information call (818) 364-7655 or visit <https://www.lamission.edu/counseling/>
- **Disabled Students Programs and Services:** For appointments and information call (818) 364-7732 or visit <http://www.lamission.edu/dsps/>
- **Extended Opportunity Programs and Services:** For appointments and information call (818) 364-7645 or visit <http://www.lamission.edu/eops/>
- **Financial Aid:** For information and applications call (818) 364-7648 or visit <http://www.lamission.edu/financialaid/>
- **Library:** For information on library hours, resources, workshops, and other services contact (818) 364-7105 or 364-7106 or <http://www.lamission.edu/library/>
- **Tutoring Services in Learning Center:** Laboratories for Learning, Writing, Math & Science.
- Walk-in and appointment services offered. Call (818) 364-7754 or visit <http://www.lamission.edu/learningcenter/>
- **Tutoring Lab & Math Center:** Free Math tutoring, computer and internet access.
- Call (818) 364-7811 or visit <http://www.lamission.edu/mathcenter/>
- **STEM Program:** For those interested in pursuing a science, technology, engineering and math, please call the STEM counselor Marina Sangkavichai at (818) 833-3425 or visit <http://www.lamission.edu/stem/>