

Los Angeles Mission Community College
Mathematics 112
Spring, 2008
Course: PreAlgebra
Ticket Number: 3323

Time: 7:00-10:10 p.m.

Credits: 3 units

Where: L.A. Mission College Bung 4

Instructor: Jack Bloom
Office Hours: **Wednesday, 5:30 pm – 7:00 pm Library**
Phone: (818) 364-7600 ext. 4227
Email: **BloomJA@lamission.edu**

Text: PreAlgebra – 3rd Edition – Alan S. Tussy and R. David Gustafson.

Prerequisite: A mastery of elementary concepts and Math 105 are essential. Students need to have an understanding of calculators at some point after chapter 4. **Bold face** topics depicted below are considered extremely important. Note taking and class participating in mathematical discussions are encouraged. Assistance is provided before or after class.

Content to be Covered:

Ch.1 Order of Operations, Solving Equations , Exponents
Ch.2 Integers
Ch.3 Variables, Simplifying Algebraic Equations, Combining Like Terms, Problem Solving
Ch.4 Operations on Fractions, Complex Fractions , Solving Equations
Ch.5 Operations on Decimals, Estimation, Square Roots
Ch.6 Graphing Linear Equations, Parabolas, Operations with Polynomials
Ch.7 Percent and Applications of Percents
Ch.8 Ratios and Proportions
Ch.9 Geometry , Perimeters, Areas of Polygons

Important Dates: February 19: Last day to **ADD** classes without instructor activities.
March 3: Last day to **drop** class without a “W”.
May 5: Last day to **drop** class with a “W”.
March 7: Last day to petition **for Credit/No Credit**.
May 27-June 2: Final Exams. **Final exam: May 28**.
June 2: All classes end.

Evaluation/Examination

Tests will be given at the end of each chapter covered. 100 pts.
There will be **no make-ups** on any exam. This is a departmental policy.
There will be a comprehensive final examination at the end of the course to assess your mathematical skills.
Final exam is given on December 19. - 200 pts.
Homework will be assigned, collected, and graded. It will be turned in the day of the chapter test. 100 pts.
Final grade based upon total accumulated points from tests, homework, attendance, participation.

Teacher office hours will be 5:30 p.m. – 7:00 p.m. the day of class at Bung 6.

Grade earned represented by percentage of total points.

A – 90% - 100%

B – 80% - 89%

C – 70% - 79%

D - 60% - 69%

F. – 59%

Specific Class Features

- Grades are based upon a percentage of the total points earned in class through tests, homework, attendance, class participation, and final.
- Homework is graded upon completion and effort. You must **SHOW ALL WORK** for full credit.
- Tests are based upon total points converted into a percentage (800/1000 pts. = 80%).
- Attendance is factored into the **final grade**. Students with repeated absences will be dropped from the class.

Student Conduct All students are expected to conduct themselves in an appropriate manner with the highest standards and behavior – especially during lectures and tests. Any infringement upon the rights of others or placing them in an uncompromising situation will not be tolerated. Grades are subject to change upon teacher discretion.

Learning Outcomes

1. Find the prime factorization of a given number.
2. Evaluate expressions using order of operations.
3. Simplify expressions with exponents.
4. Solve equations with whole numbers and integers.
5. Combine like terms.
6. Analyze word problems, translate into linear equations and solve.
7. Evaluate expressions with fractions and mixed numbers, including complex fractions and order of operations.
8. Evaluate expressions with decimals and square roots.
9. Analyze and graph linear equations.
10. Convert numbers to percents and evaluate applications such as discounts, interest, commissions, etc.
11. Solve ratios and proportions, translate and solve word problems.
12. Calculate perimeters and areas of polygons.
13. Distinguish between complementary and supplementary angles as well as acute, right, obtuse, and straight angles.