Los Angeles Community College District  
Los Angeles Mission College  

Syllabus Fall 2008

Course: Math 112: Pre-Algebra  
Section: 7130  
MW: 3:30pm-4:55pm Room: Vaugh HS

Instructor: Hai Phu Ngo  
Email: ngoh@lamic.edu

Required Text: Pre-Algebra, 3rd edition.  
Authors: Alan S. Tussy, R. David Gustafson

Important Dates:  
September 26, 2008: Last day to drop without a “W”.  
November 21, 2008: Last day to drop with “W”.  
Final Exam: M 12/15/2008: 5:30pm – 7:30pm

Attendance: It is important that you attend class. Regular attendance will be expected. You are expected to attend class punctually and are responsible for assigned course work. If you are have more than three absences, you may be dropped from your class on your fourth absence. However, it is not your instructor’s responsibility to drop you. It is your responsibility to drop if you decide not to finish the course. If you do not drop and I do not exclude you, your name will be appeared on the grade roster at the end of the semester and there will be no choice but to assign a F grade. So be sure to drop officially if you do not intend to finish the course.

Zero Tolerance Cheating Policy – Mathematics: Cheating in this class is defined as knowingly or unknowingly participating in the submission of unoriginal work for any assignment, quiz, test. If it is determined that a student has cheated in this class, the instructor is required to fill out an Academic Dishonesty Report Form, and submit it to the Chair of Mathematics Department who will forward the report to the VP of student services for disciplinary action which may include suspension or expulsion. In addition to sending the report, the instructor may take the following actions:

1) Assign a non-replaceable fail grade for the assignment, quiz, or test even if doing so results in the impossibility of the student to pass the class.
2) Deduct an amount of points, as specified in the syllabus, from the student’s overall total points for a Conduct Code Violation even if doing so results in the impossibility of the student to pass the class.
3) Dismiss the student for the remainder of the class session and/or the next class section.
Math 112: Learning Outcomes

By the end of this class, among other things, the students will demonstrate their ability to:

1. Find the prime factorization of a given number.
2. Evaluate expressions using order of operations.
3. Simplify expressions with exponents.
4. Evaluate expressions with fractions and mixed numbers, including order of operations and complex fractions.
5. Solve equations with whole numbers and integers.
6. Combine like terms.
7. Analyze word problems, translate into linear equations, and solve.
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.
11. Solve ratio and proportions, translate and solve word problems thereof.
12. Calculate perimeters and areas of polygons.
13. Distinguish between complementary and supplementary angles as well as acute, right, obtuse, and straight angles.

Homework: I will assign homework everyday. It will not be collected and graded. Your group work and test scores will indicate if you are doing the homework. You can ask any homework you cannot solve at the next class meeting.

Tests: There will be 7 (seven) tests during the semester and one lowest test score will be dropped. No make up test for any reason. 100 points for each test. Calculators are not allowed to use in class anytime. Total test scores is 600 points.

Final: There will be a comprehensive final. This final is mandatory to pass this class. The final test score is 200 points.

Grading Scale: The following is the tentative grading scale base on the maximum score of 800 points:

Course Schedule

The following schedule should serve as a tool for preparing for each lecture, including dates for quiz, and tests. The instructor reserves the right to change the following schedule with prior notice.

W 09/03: Introduction. Chapter 1: 1.1 to 1.3.
M 09/08: Chapter 1: 1.4 - 1.7
W 09/10: Chapter 2: 2.1 - 2.5
W 09/17: Test # 1 (Ch. 1 & 2)
M 09/22: Chapter 3: 3.1 - 3.4
W 09/24: Chapter 3: 3.5 & 3.6
M 09/29: Review Chapter 3.
W 10/01: Test # 2 (Ch. 3)
M 10/06: Chapter 4: 4.1 - 4.4
W 10/08: Chapter 4: 4.5 - 4.8
M 10/13: Review Chapter 4.
W 10/15: Test # 3 (Ch.4)
M 10/20: Chapter 5: 5.1 - 5.4
W 10/22: Chapter 5: 5.5 - 5.7
M 10/27: Review Chapter 5.
W 10/29: Test # 4 (Ch. 5)
M 11/03: Chapter 6: 6.1 - 6.5
M 11/10: Holiday. No Class.
W 11/12: Test # 5 (Ch 6)
M 11/17: Chapter 7: 7.1 - 7.4
W 11/19: Chapter 8: 8.1 & 8.2
W 11/26: Test # 6 (Ch 7 & 8)
M 12/01: Chapter 9: 9.1 - 9.6
W 12/03: Review Chapter 9.
M 12/08: Test # 7 (Ch 9)
W 12/10: review Final.
M 12/15: Final Test
Homework Assignments: Only work on Odd numbers.

Chapter 1: 1.1: # 35-57. 1.2: # 23-71. 1.3: # 19-65
  1.4: # 49-83. 1.5: # 15-79. 1.6: # 43-71. 1.7: # 13-47

Chapter 2: 2.1: # 33-51. 2.2: # 27-59. 2.3: # 21-69. 2.4: # 27-75.
  2.5: # 15-49. 2.6: # 15-89. 2.7: # 25-83.

Chapter 3: 3.1: # 21-37. 3.2: # 17-71 3.3: # 19-77. 3.4: # 35-83
  3.5: # 23-81. 3.6: # 17-33.

Chapter 4: 4.1: # 21-79. 4.2: # 17-71. 4.3: # 13-55. 4.4: # 27-81
  4.5: # 17-67. 4.6: # 13-67. 4.7: # 13-63. 4.8: # 17-71

Chapter 5: 5.1: # 17-51 5.2: # 7-53 5.3: # 9-71 5.4: # 21-67
  5.5: # 15-85 5.6: # 15-65 5.7: # 25-51

  6.4: # 23-31 6.5: # 15-59 6.6: # 11-55

Chapter 7: 7.1: # 9-67 7.2: # 17-37, 7.3: # 7-25, 7.4: # 15-25

Chapter 8: 8.1: # 13-33 8.2: # 13-43

  9.5: # 23-45. 9.6: # 29-45.