CLASS SYLLABUS
SPRING 2008
L.A. MISSION COLLEGE
MATH 112  SECTION  3310  M  W   7:00-8:25 PM

INSTRUCTOR: PROF. ALICE CONSTANTINO
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E-MAIL AliceConstantino@socal.rr.com
Office Hours: 8:30- 9:30 PM  Monday Instructional Building R 1011 or by Appointment
TEXTBOOK :  PRE- ALGEBRA  3rd EDITION  BY: ALAN TUSSY AND R. DAVID GUSTAFSON

GENERAL OBJECTIVES:
AT THE END OF THE COURSE THE STUDENTS WILL BE ABLE TO PROVIDE AN UNDERSTANDING BETWEEN ARITHMETIC AND ALGEBRA. A GOOD GRASP THAT WILL HELP STUDENTS IDENTIFY THE CONCEPTS OF ELEMENTARY ALGEBRA IN A GRADUAL AND INFORMAL WAY IN ORDER TO BUILD A FOUNDATION FOR THE SUBSEQUENT COURSES OF MATHEMATICS.

THE STUDENTS WILL BE ABLE TO DEVELOP SKILLS IN THE TOPICS OF WHOLE NUMBERS, FRACTIONS, DECIMALS, RATIO AND PROPORTION, PERCENT, APPLICATION OF PROBLEM SOLVING TO REAL LIFE SITUATION, MEASUREMENT AS WELL AS INTRODUCTION TO GEOMETRY, STATISTICS, PROBABILITY AND BASIC ALGEBRA.

METHODOLOGY: LECTURE; BROAD DEMONSTRATIONS; QUESTION AND ANSWER; GROUP SESSION; PRACTICE REINFORCEMENT AND HOMEWORK FOLLOW-UP

ADDITIONAL SUPPORT: SOFTWARE BASED TUTORIALS, TOPIC SPECIFIC VIDEO PRESENTATIONS AND TUTORING AVAILABLE AT THE MATHEMATICS LAB IN THE LIBRARY.

COURSE OUTLINE FOR THE WEEK:

WEEK 1  CHAPTER 1:  OPERATION WITH WHOLE NUMBERS  (ALL 7 SECTIONS)

WEEK 2/3  CHAPTER 2:  THE INTEGERS  (ALL 6 SECTIONS )  
CHAPTER TEST

WEEK 4/5  CHAPTER 3:  THE LANGUAGE OF ALGEBRA  ( ALL 6 SECTIONS )

WEEK 6  CHAPTER 4:  FRACTIONS AND MIXED NUMBERS  ( ALL 8 SECTIONS)  
CHAPTER TEST

WEEK 7/8  CHAPTER 5:  OPERATIONS ON DECIMALS AND SOLVING EQUATIONS  (ALL 8 SECTIONS)

WEEK 9  CHAPTER 6:  GRAPHING LINEAR EQUATIONS, PARABOLAS AND OPERATIONS WITH POLYNOMIALS  ( ALL 6 SECTIONS)  
CHAPTER TEST

WEEK 10/11  CHAPTER 7:  PERCENT AND APPLICATIONS OF PERCENTS  (ALL 4 SECTIONS)

WEEK 12/13  CHAPTER 8:  RATIO, PROPORTION, AND MEASUREMENT  ( ALL 2 SECTIONS)  
CHAPTER TEST

WEEK 14/15  CHAPTER 9:  INTRODUCTION TO GEOMETRY: PERIMETERS AND AREA OF POLYGONS.

Last Day to Add: Tuesday 2-19-08  Last Day to Drop Without a “W” :Monday , 3-3-08
Last Day to Drop with a “W” Monday, 5-5-08  Date of Final: Last Day of Spring schedule
LEARNING OUTCOMES
1. Find the prime factorization of a given number.
2. Evaluate expressions using order of operations.
3. Simplify expressions using order of operations.
4. Solve equations with whole numbers with exponents.
5. Combine like-terms.
6. Analyze word problems, translate into linear equations and solve.
7. Evaluate expressions with fractions and mixed numbers, including order of operations and complex fractions.
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, rate of commissions etc.
11. Solve ratios and proportions, translate and solve word problems thereof.
12. Calculate perimeters and areas of polygons.
13. Distinguished between complimentary and supplementary angles as well as acute, right, obtuse and straight angles.

FINALS: LAST DAY OF SPRING SESSION. As Scheduled

GRADING SYSTEM:
1. AVERAGE CHAPTER TEST /QUIZZES 60% (DEDUCT 1 lowest score)
2. GRADED HOMEWORK/ ATTENDANCE 10%
3. FINAL TEST 30%

HOMEWORK:
HOMEWORK IS GIVEN TO REINFORCE THE LESSONS FOR THE DAY AND TO DEVELOP THE NECESSARY SKILLS IN MATH. STUDENTS ARE EXPECTED TO DO ASSIGNED NUMBERS. CORRECT THE PROBLEMS IN CLASS BEFORE INTRODUCING THE LESSON FOR THE DAY.

TESTS SCORES:
THERE WILL BE NO MAKE UP’S FOR MISSED TEST. MISSED TEST IS EQUIVALENT TO ZERO SCORE. PLEASE KEEP RECORDS OF ALL SCORES AND HOMEWORK FOR YOUR REFERENCE IN GRADE COMPUTATIONS.

ATTENDANCE:
ATTENDANCE WILL BE STRICTLY MONITORED. PLEASE REFER TO THE COLLEGE MANUAL REGARDING ABSENCES POLICY.

IMPORTANT REMINDER:
IF YOU PLAN NOT TO CONTINUE THE COURSE, IT IS YOUR RESPONSIBILITY TO APPLY FOR A WITHDRAWAL OF THE COURSE IN THE ADMISSION OFFICE. OTHERWISE A LETTER GRADE OF “F” WILL BE REFLECTED IN YOUR RECORD IF YOUR NAME IS STILL IN THE FINAL CLASS LIST. REFER TO THE COLLEGE CALENDAR FOR DEADLINE SCHEDULE.

PAGERS AND CELL PHONE MUST BE IN SILENT MODE DURING CLASS HOURS. SLEEPING AND LOUD CONVERSATIONS ARE STRICTLY PROHIBITED AS WELL AS HABITUAL TARDINESS. DISMISSAL ON TIME IS STRICTLY OBSERVED.

PLEASE FEEL FREE TO SEE ME FOR ANY HELP OR QUESTIONS.
OFFICE HOURS: AFTER OUR CLASS SESSION IN THE INSTRUCTIONAL BUILDING (MATH DEPT) R1011 OR BY APPOINTMENT

THANK YOU