COMMON COURSE OUTLINE: Course discipline/number/title: MATH 0093: Pre-Algebra

A. CATALOG DESCRIPTION
1. Credits: 3
2. Hours/Week: 3
3. Prerequisites (Course discipline/number): Appropriate score on the Math Placement test
4. Co-requisites (Course discipline/number): None
5. MnTC Goals (if any): NA

This course is for the student whose placement test score indicates the need for a review of fractions, decimals, ratios, proportions, percents, signed numbers, polynomials/like terms, and solving basic linear equations in one variable before beginning elementary algebra. Calculator use is NOT allowed for the required content.

B. DATE LAST REVISED (Month, year): February, 2014

C. OUTLINE OF MAJOR CONTENT AREAS:
1. Fractions
2. Decimals
3. Ratios and proportions
4. Percent
5. Signed numbers
6. Polynomials
7. Linear equations in one variable
8. Introduction to Graphing

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
1. Perform Operations (add, subtract, multiply and/or divide, including Order of Operations) with:
   a) Fractions (proper, improper, mixed numbers)
   b) Decimals
   c) Signed Numbers
   d) Polynomials
2. Perform Conversions: between fractions, percents, decimals
3. Write ratios
4. Solve proportions
5. Simplify and Solve basic linear equations in one variable
6. Name graphed points by their ordered pairs and plot points
7. Solve contextual problems: geometric, other (fractions, proportions, percents, etc.)

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
1. Tests
2. Quizzes
3. Homework
4. Cooperative group work
5. Writing assignments
6. Activities/Portfolios/Projects

G. RTC CORE OUTCOME(S) ADDRESSED:
- Communication
- Critical Thinking
- Global Awareness/Diversity
- Civic Responsibility
- Personal/Professional Accountability
- Aesthetic Response

H. SPECIAL INFORMATION (if any): None