

**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 RCTC 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 simple linear equations before beginning Elementary Algebra.

**B. DATE LAST REVISED (Month, year):** May, 2007

**C. OUTLINE OF MAJOR CONTENT AREAS:**

1. Fractions
2. Decimals
3. Ratios and proportions
4. Percent
5. Signed numbers
6. Polynomials
7. Linear equations
8. Introduction to Graphing

**D. LEARNING OUTCOMES (GENERAL):** The student will be able to:

1. Perform Operations (add, subtract, multiply and/or divide) 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. Solve basic linear equations
6. Graphing Introduction: plot points and/or graph linear equations
7. Applications: contextual problem-solving, which can include fractions, geometry, 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. Portfolios/Projects

Grading is A-F (default), with P/F option when requested.

**G. SPECIAL INFORMATION (if any):** None