Minnesota State University Moorhead

MATH 090A: Elementary Algebra

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 2

Lab Hours/Week: 2

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

The course introduces operations and evaluating expressions involving real numbers, exponents and radicals. Solving linear, absolute value and quadratic equations, and linear and compound inequalities is also studied. Emphasis is given to procedural skills to help develop the conceptual skills needed for application and interpretation of results including graphing and problem solving skills. Credits apply towards full-time status but do not apply towards graduation.

B. COURSE EFFECTIVE DATES: 02/02/2016 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Perform operations involving rational numbers, exponents, and polynomials.
2. Solve linear equations, including absolute value equations, and inequalities.
3. Solve systems of linear equations and inequalities.
4. Graph lines, derive equations of lines, and interpret application of graphs, equations and inequalities.
5. Apply knowledge to solving application problems and interpreting solutions.
6. Factor polynomials.
7. Solve quadratic equations by factoring.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted