Minnesota State University Moorhead

MATH 095: Elementary/Intermediate Algebra

A. COURSE DESCRIPTION

Credits: 5

Lecture Hours/Week: 2

Lab Hours/Week: 3

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course is a combination of the content of Elementary Algebra and Intermediate Algebra and will be offered in a synchronous Accelerated hybrid format. Upon completion of the course, the student will be prepared for College Algebra. Topics covered will include signed numbers, radicals, exponents, algebraic fractions, products and factoring, graphing lines, solving linear equations and quadratic equations, polynomials, functions, systems of equations, linear inequalities, and absolute value equations and inequalities. 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. Graph lines and understand slope.
2. Simplify expressions involving radicals and exponents.
3. Simplify radical expressions.
4. Simplify rational expressions.
5. Solve equations and inequalities involving absolute values.
6. Solve linear, quadratic, rational, and radical equations, and systems of linear equations.
7. Work with functions and function notation.
8. Work with polynomials, including 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