

Minnesota State University Moorhead

MATH 110C: Introduction to Mathematics Supplement

A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 2

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites:

This course requires any of these seven prerequisites

MATH 090 - Elementary Algebra

MATH 090A - Elementary Algebra

MATH 127L - College Algebra with Lab

MSUM MATH 99 and 110 and 134

A score of 1 on test Transfer Equivalent to Math 0090

A score of 1 on test Transfer Equivalent to MATH 095

A score of 1 on test Transfer Equivalent to MATH 099

Corequisites: None

MnTC Goals: None

The course will provide prerequisite review and support for MATH 110 Introduction to Mathematics. Topics include arithmetic operations and evaluating expressions involving real numbers and solving linear equations and inequalities and quadratic equations, statistics, probability and sets. Emphasis will be given to skills needed to successfully complete the Computational Mastery Exam, apply problem solving strategies and algebra concepts. Review and supplementary “just-in-time” instruction and activities to correspond and enhance the students understanding of the topics being covered in MATH 110. As the MATH 110 progresses, this co-requisite will offer supplementary instruction for MATH 110 topics.

B. COURSE EFFECTIVE DATES: 05/11/2021 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Topics include arithmetic operations and evaluating expressions involving real numbers and solving linear equations and inequalities and quadratic equations, statistics, probability and sets, and problem solving strategies.

D. LEARNING OUTCOMES (General)

1. Demonstrate understanding and knowledge of arithmetic operations containing rational numbers.
2. Simplify, factor, and perform basic operations on algebraic expressions.
3. Solve, graph and interpret linear equation and inequalities, and quadratic equations.
4. Appropriately use and manipulate formulas.
5. Make connections and progress to MATH110 topics including statistics and probability.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted