Bemidji State University

MATH 5065: Mathematical Foundations of Algebra

A. COURSE DESCRIPTION
   Credits: 4
   Lecture Hours/Week: 0
   Lab Hours/Week: 0
   OJT Hours/Week: *
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None
   This course investigates concepts of patterns, relations, and functions.

B. COURSE EFFECTIVE DATES:  01/08/2021 - Present

C. OUTLINE OF MAJOR CONTENT AREAS
   1. Algebra

D. LEARNING OUTCOMES (General)
   1. recognize, describe, and generalize patterns and build mathematical models to describe situations, solve problems, and make prediction.
   2. analyze the interaction within and among quantities and variables to model patterns of change and use appropriate representations, including tables, graphs, matrices, words, algebraic expressions, and equations.
   3. represent and solve problem situations that involve variable quantities and be able to use appropriate technology.
   4. understand patterns present in number systems and apply these patterns to further investigations.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted