MATH 3065: 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. Prerequisites: MATH 1011 or equivalent or consent of instructor. Might not be offered every year.

**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 predictions.
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 equation.
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