MATH 0870: Companion to College Algebra

A. COURSE DESCRIPTION

Credits: 1
Lecture Hours/Week: 0
Lab Hours/Week: 0
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

An optional companion course designed to support students concurrently enrolled in MATH 1170 College Algebra, this course will provide support for MATH 1170, including supplementary instruction on College Algebra topics and just-in-time review of prerequisite concepts. Topics, which will parallel those in Math 1170, include review of properties of real numbers, radical expressions, linear equations and inequalities and their graphs, polynomial functions and their graphs, transformations of functions, exponential and logarithmic functions, and linear programming. This course is intended strictly as support for MATH 1170 and does not fulfill a college goal area requirement. Three years of high school mathematics (including two years of algebra) and an appropriate score on the Mathematics Placement Test.

B. COURSE EFFECTIVE DATES: 05/07/2023 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. become familiar with the different families of functions and their graphical representations.
2. examine various methods of solving equations by numerical, algebraic, and graphical techniques.
3. use logical arguments to justify their ideas and solutions either verbally or in writing.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted