Alexandria Technical and Community College

MATH 0415: Bridge to Math Reasoning

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
   ATCC Beginning Algebra
   ATCC Algebra Bridge
   ATCC Arithmetic
   ATCC Mathematical Reasoning
   ATCC Fund of Physics
   Algebra College Level
   ATCC Calculus-Level Placement
   Corequisites: MATH 1415
   MnTC Goals: None
   This course is designed to be taken in the same semester as Math Reasoning. It includes topics necessary for a student to be successful in Math Reasoning, including unit analysis, percentages, ratio, proportion, money, and basic graphing.

B. COURSE EFFECTIVE DATES: 03/16/2022 - Present

C. OUTLINE OF MAJOR CONTENT AREAS
   1. Analyze US and metric length, mass, and volume
   2. Solve and interpret percentage problems
   3. Solve and manipulate ratios and proportions
   4. Carry out mathematical operations involving money
   5. Graph linear equations using calculators or software

D. LEARNING OUTCOMES (General)
   1. Students will be able to independently solve problems related to unit analysis, percentages, ratio, proportion, money, and basic graphing.

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

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted