Minnesota State College Southeast

MATH 0010: Math Essentials 1

A. COURSE DESCRIPTION
   Credits: 0
   Lecture Hours/Week: *.*
   Lab Hours/Week: *.*
   OJT Hours/Week: *.*
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None
   This course, without the use of the calculator, covers whole numbers, prime numbers, rounding of numbers, fractions, decimals, and proportions. In addition, related practical application problems will be introduced. This course is developmental and not intended for transfer. (Prerequisite: none) (FYEX0100 recommended concurrent) (0 credits)

B. COURSE EFFECTIVE DATES: 03/14/2016 - Present

C. OUTLINE OF MAJOR CONTENT AREAS
   1. Whole Numbers
   2. Fractions
   3. Decimals
   4. Ratios and Proportions

D. LEARNING OUTCOMES (General)
   1. Add, subtract, multiply, and divide whole numbers
   2. Find prime numbers and prime factors
   3. Round whole numbers
   4. Add, subtract, multiply, and divide fractions
   5. Add, subtract, multiply, and divide decimals
   6. Round decimals
   7. Compare fractions and decimals
   8. Convert decimals to fractions and fractions to decimals
   9. Write ratios and rates in simplest form
   10. Solve ratio and rate application problems
   11. Solve proportions and proportion application problems

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

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted