

# 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