

Minnesota State College Southeast

MATH 0555: Pre-Geometry

A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 2

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course covers operations on rational numbers and percentages; Metric and U.S. Customary Measurements; solving linear equations and proportions; and the rectangular coordinate graphing system. Related practical application problems will be introduced. This course is developmental and not intended for transfer. (No prerequisites or Accuplacer testing required for entry into course.) (2 credits: 2 lecture/0 lab)

B. COURSE EFFECTIVE DATES: 12/13/2018 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Rational Numbers and Percentages
2. Metric and U.S. Conversions
3. Solving Linear Equations
4. Ratios and Proportions
5. Graphing Linear Equations
6. Angles and Polygons

D. LEARNING OUTCOMES (General)

1. Evaluate basic operations on rational numbers
2. Convert between U.S. and metric measurements
3. Solve general linear equations
4. Solve applied problems involving proportions and percentages
5. Graph linear equations
6. Calculate slopes of lines
7. Identify different types of angles and polygons
8. Apply geometric relationships to solve problems
9. Compute powers and approximate irrational numbers

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted