

**SOUTHEAST COMMUNITY COLLEGE
DIVISION OF ARTS AND SCIENCES**

Mathematics

Revised Date: 07-01-22

I. CATALOG DESCRIPTION

Course Number: MATH0982

Course Title: Geometry

Prerequisite(s): A grade of "B" or higher in MATH0981.

Catalog Description: Exploratory development of formal representation of logical arguments. Application of logical principles to geometric proofs. Use of problem solving skills in the development of geometric concepts. Consistent use of algebra throughout the course to reinforce skills & concepts developed in earlier algebra course

Credit Hours: 1.0

Class Hours: 15

Lab Hours: 0

Total Contact Hours: 15

II. COURSE OBJECTIVES: *Course will:*

- A. Develop techniques to solve Proportion Problems.
- B. Develop a familiarity with Right Triangles & Circles.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES

- A. Student Learning Outcomes: *Student will be able to:*
 - 1. Solve Proportions problem.
 - 2. Recognize Special Right Triangles.
 - 3. Solve Circles Problems.

IV. CONTENT/TOPICAL OUTLINE (*course outline may provide more detailed information*)

- A. Proportions
- B. Special Right Triangles
- C. Circles

V. INSTRUCTIONAL MATERIALS

- A. Required Text(s):
 - 1. Martin-Gay, *Geometry*, Pearson, 2016, with MyMathLab ISBN-13: 9780134306094
- B. Other resources: Calculator with trig functions recommended.

VI. METHODS OF PRESENTATION/INSTRUCTION

- A. Methods of presentation typically include a combination of following:
 - 1. Assigned reading and homework assignments for the student to do in class or outside of class on MyMathLab.
 - 2. Individual tutorial with the student on any subject matter which the student is having difficulty comprehending.
 - 3. Additional tutorial through the Multi Academic Center.
 - 4. Mini-lectures

VII. METHODS OF EVALUATION

- A. Methods of evaluation typically include a combination of the following:
 - 1. MyMathLab HW
 - 2. Module exam

B. SCC GRADING SCALE

A+	95-100	C+	75-79	F	59 or less
A	90-94	C	70-74		
B+	85-89	D+	65-69		
B	80-84	D	60-64		

VIII. SPECIFIC COURSE REQUIREMENTS

None.