SOUTHEAST COMMUNITY COLLEGE
DIVISION OF ARTS AND SCIENCES
Mathematics
Revised Date: 07-01-22
Syllabus Statements

I. CATALOG DESCRIPTION

Course Number:	MATH0981
Course Title:	Geometry
Prerequisite(s):	A grade of "C" or higher in MATH0950 or a grade of "B" or higher in MATH0953 or appropriate score on math placement test.
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 a familiarity with Line & Angle Relationships.
B. Develop a familiarity with Congruent & Similar Triangles.
C. Develop techniques to solve Quadrilaterals.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES

A. Student Learning Outcomes**:** *Student will be able to:*
- **1**. Recognize & Use Line & Angle Relationships.
- **2**. Recognize & Use Congruent & Similar Triangle.
- **3**. Recognize & Solve Quadrilaterals Problems.

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

A. Line & Angle Relationships
B. Congruent & Similar Triangle
C. Quadrilaterals

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.