SOUTHEAST COMMUNITY COLLEGE
DIVISION OF ARTS AND SCIENCES
Mathematics
Revision Date: 07-01-20
Syllabus Statements

I. CATALOG DESCRIPTION

Course Number:	MATH0953
Course Title:	Beginning Algebra Modular III
Prerequisites:	A grade of "B" or higher in MATH0952 OR co-enrollment in MATH0952. The prerequisite must be completed before the current course is completed.
Catalog Description:	Study of scientific notation, multiplying and dividing polynomials, factoring polynomials, solving quadratic equations by factoring, operations with rational expressions and introduction to function notation.
Credit Hours:	1.0
Class Hours:	15
Lab Hours:	0
Total Contact Hours:	15

II. COURSE OBJECTIVES: *Course will*:

A. Develop techniques of working with operations on polynomials.
B. Develop techniques to factor polynomials.
C. Develop techniques of working with operations on rational expressions.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES

A. Student Learning Outcomes**:** *Student will be able to:*
- **1.** Evaluate functions and recognize function notation.
- **2.** Simplify expressions involving scientific notation.
- **3.** Simplify polynomial and rational expressions.
- **4.** Solve applied problems.

B. General Education Learning Outcomes
- **1.** GELO #5: Analytical, Quantitative, and Scientific Reasoning
  - Outcome: Apply mathematical and scientific methods to solve problems from an array of contexts and everyday situations.
  - Outcome: Effectively develop strategies, algorithms, or experiments (or performing experiments) to better describe the systems or to solve the problems.

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

A. Basic algebra skills are extended in this course to provide the background for further mathematics courses. Main units of this course are as follows:
- **1.** Multiplying and Dividing Polynomials
- **2.** Factoring
- **3.** Function Notation and Rational Expressions

V. INSTRUCTIONAL MATERIALS

A. Required Text(s):
- **1**. Direct Digital Access to MyLab Math (through Canvas) will be billed to your student account. ISBN: 9780136824817.

B. Other Resources:
- **1**. Supplies: Paper and writing instrument, scientific calculator 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
A	90-94
B+	85-89
B	80-84
F	79 or less

VIII. SPECIFIC COURSE REQUIREMENTS

A. To successfully complete this course, the student must complete all assigned work and score 80% or better on the module exam. All work must be completed by the end of the quarter the student is registered.