

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

Mathematics

Revision Date: 07-01-23

I. CATALOG DESCRIPTION

Course Number: MATH0951
Course Title: Beginning Algebra Modular I
Prerequisites: A grade of “C” or higher in MATH0900 or a grade of “B” or higher in MATH0903 or appropriate score on the math placement test OR co-enrollment in MATH0903. The prerequisite must be completed before the current course is completed.
Catalog Description: Study of operations with real numbers, and solving linear equations and inequalities and their applications.
Credit Hours: 1.0
Class Hours: 15
Lab Hours: 0
Total Contact Hours: 15

II. COURSE OBJECTIVES: *Course will:*

- A. Develop a familiarity with the properties of the real number system and order of operations.
- B. Develop techniques to evaluate and simply algebraic expressions.
- B. Develop techniques to solve linear equations and inequalities.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES

- A. Student Learning Outcomes: *Student will be able to:*
 - 1. Simplify numerical expressions using operations on the real number system.
 - 2. Evaluate and simplify algebraic expressions.
 - 3. Translate words into algebraic symbols and expressions.
 - 2. Solve linear equations in one variable.
 - 3. Solve linear inequalities in one variable.
 - 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. Operations on Real Numbers and Algebraic Expressions
 - 2. Solving Linear Equations and Inequalities in One Variable

V. INSTRUCTIONAL MATERIALS

- A. Required Text(s):
 - 1. Direct Digital Access to MyLab Math (through Canvas) will be billed to your student account. ISBN: 9780136824688.
- B. Other Resources:
 - 1. Supplies: Paper and writing instrument.

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**
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| 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.