

SOUTHEAST COMMUNITY COLLEGE
DIVISION OF ARTS AND SCIENCES
Mathematics
Revision Date: 07-01-24

I. CATALOG DESCRIPTION

Course Number: MATH0903
Course Title: Math Fundamentals Modular III
Prerequisite(s): A grade of “B” or higher in MATH0902 OR co-enrollment in MATH0902. The prerequisite must be completed before the current course is completed.
Catalog Description: Study of basic algebraic expressions, linear equations, and finding perimeter, area, and volume.
Credit Hours: 1.0
Class Hours: 15
Lab Hours: 0
Total Contact Hours: 15

II. COURSE OBJECTIVES: *Course will:*

- A. Construct techniques for solving one step and multiple step equations.
- B. Demonstrate techniques for simplifying algebraic expressions.
- C. Develop techniques for solving linear equations.
- D. Find perimeter, area, and volume.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES

- A. Student Learning Outcomes: *Student will be able to:*
 - 1. Recognize variables and like terms.
 - 2. Solve basic one-step linear equations.
 - 3. Solve multiple step linear equations.
- B. General Education Learning Outcomes
 - 1. GELO #5: Analytical, Quantitative, and Scientific Reasoning
 - Outcome: Effectively develop strategies, algorithms, or experiments (or performing experiments) to better describe the systems or to solve the problems.
 - Outcome: Manipulate formulas, data sets, graphs, tables, etc. in a way to produce a meaningful outcome.

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

- A. The following units will be covered in the course:
 - 1. Perimeter, Area, and Volume.
 - 2. Simplifying Algebraic Expressions.
 - 3. Algebraic Expressions and Equations and Applications.

V. INSTRUCTIONAL MATERIALS

- A. Required Text(s):
 - 1. Direct Digital Access to MyLab Math (through Canvas) will be billed to your student account. ISBN: 9780136823834.
- 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.