

Course Syllabus
Southeast Missouri State University

Department of Mathematics
Title of Course: Survey of Mathematics Lab

Course No. MA 023
Revision: Fall 2014

I. Catalog Description and Credit Hours of Course:

This course satisfies the developmental mathematics requirement for students enrolled in MA123 who do not meet the ACT Math subscore requirement of 22 or higher. (1)

II. Pre and Co-requisite(s):

Co-enrollment in MA123 and ACT Math score below 22 or MA050 with a grade of 'NDC' or higher.

III. Purposes of the Course:

This course is intended to improve students' mathematical skills utilized in MA123.

IV. Student Learning Outcomes:

- A. Students will be able to simplify fractions and convert fractions to decimals
- B. Students will be able to solve linear equations
- C. Students will be able to solve quadratic equations

V. Expectations of Students:

- A. Regular class attendance.
- B. Read all materials assigned.
- C. Participate in and complete all classroom activities.
- D. Demonstration of mastery of course content on quizzes.

VI. Course Outline:

<u>Topic</u>	<u>Hours</u>
• Arithmetic Review	4
• Linear Equations	4
• Variables and Formulas	4
• Percentages, Proportions and Ratios	5
• Rules of Exponents	4
• Quadratic Equations	4
• Geometric Formulas (area, perimeter, volume)	5
Total	30

VII. Textbook:

MyMathLab, Pearson.

VIII. Basis of Student Evaluation:

- A. Classwork 60%
- B. Quizzes 40%