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:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arithmetic Review</td>
<td>4</td>
</tr>
<tr>
<td>Linear Equations</td>
<td>4</td>
</tr>
<tr>
<td>Variables and Formulas</td>
<td>4</td>
</tr>
<tr>
<td>Percentages, Proportions and Ratios</td>
<td>5</td>
</tr>
<tr>
<td>Rules of Exponents</td>
<td>4</td>
</tr>
<tr>
<td>Quadratic Equations</td>
<td>4</td>
</tr>
<tr>
<td>Geometric Formulas (area, perimeter, volume)</td>
<td>5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>30</strong></td>
</tr>
</tbody>
</table>

VII. Textbook:

MyMathLab, Pearson.

VIII. Basis of Student Evaluation:

A. Classwork 60%
B. Quizzes 40%