Course: LRSK 0930 Math Concepts

Initial Course Proposal

Prepared By:	
Reviewed By:	J. Gallon, S. Eveland, J. Ross, S. Vaughan
Semester Prepared:	Fall 2006
CG&E Approved:	
Board Approved:	
State Approved:	Fall 2010

First Revision

Updated By:	V. Herder
Reviewed By:	J. Ross, J. Polizzotto, S. Vaughan
Semester Updated:	Fall 2012
CG&E Approved:	12/10/12
Board Approved:	1/9/13
State Approved:	pending

Second Revision

Updated By:	
Reviewed By:	
Semester Updated:	
CG&E Approved:	
Board Approved:	
State Approved:	

Third Revision

Updated By:	
Reviewed By:	
Semester Updated:	
CG&E Approved:	
Board Approved:	
State Approved:	

Text Update

Semester Updated:	

Learning Skills (LRSK) 0930 Math Concepts (2 Units)
 [formerly Learning Skills 64ABCD]

Prerequisite: None

Total Hours: 32 hours lecture

Catalog Description: Utilizing computer applications, this course is designed to augment the teaching of the basic ideas and skills of arithmetic. The course offers specialized computer-assisted instruction.

Type of Class/Course: Non Degree Credit

Text: None

Additional Instructional Materials: None

Course Objectives:

By the end of the course, a successful student will be able to:

1.   Addition and subtraction of whole numbers,
2.   Multiplication and division of whole numbers,
3.   Adding and subtracting of fractions,
4.   Multiplying and dividing fractions,
5.   Decimals,
6.   Ratio and proportion,
7.   Percent, and
8.   Demonstrate ability to solve problems with consumer mathematics.

Course Scope and Content:

Unit I   Addition and Subtraction of Real Numbers
                A.   Addition of Real Numbers and
                B.   Subtraction of Real Numbers.

Unit II   Multiplication and Division of Whole Numbers
                A.   Multiplication of Whole Numbers and
                B.   Division of Whole Numbers.

Unit III   Multiplying and Dividing Fractions
                A.   Multiplying Fractions and
                B.   Dividing Fractions.

Unit IV   Adding and Subtracting Fractions
                A.   Adding Fractions and
                B.   Subtracting Fractions.

Unit V   Decimals
                A.   Understanding Decimals and

B.   Adding, Subtracting, Multiplying, and Dividing Decimals.

Unit VI   Ratio and Proportion
               A.   Ratio and
               B.   Proportion

Unit VII   Percent
               A.   Understanding Percents
               B.   Using Percents

Unit VIII   Measurement
               A.   Understanding Units of Measurement
               B.   Using Measurements in Everyday Situations

Learning Activities Required Outside of Class:

The students in this class will spend a minimum of 4 hours per week outside of the regular class time doing the following:

1.   Computer work, and
2.   Planning, organizing, and self-monitoring.

Method of Instruction:

1.   Lecture,
2.   Individual and group work,
3.   Class participation, and
4.   Demonstration.

Methods of Evaluation:

1.   Completion of assignments,
2.   Quizzes,
3.   Written tests, and
4.   Class participation