Learning Skills (LRSK) 0240 Math Concepts (2 units per semester; limit 8 units)  
[formerly Mathematics 53ABCD; Learning Skills 54ABCD; Learning Skills 54]

Prerequisite: None

Total Hours: 32 hours lecture

Catalog Description: Utilizing Skills Bank II and Careful Mathematics, this course is designed to augment the teaching of the basic ideas and skills of arithmetic. The course offers specialized computer-assisted instruction for students with learning disabilities.

Type of Class/Course: Non Degree Credit

Text: None

Additional Instructional Materials: Data disks and notebooks

Course Objectives:

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

1. Demonstrate with 80% accuracy, the ability to solve problems concerned with:
   
   a. addition and subtraction of whole numbers
   b. multiplication and division of whole numbers
   c. adding and subtracting of fractions
   d. multiplying and dividing fractions
   e. decimals
   f. ratio and proportion
   g. percent

2. Demonstrate with 80% accuracy, the ability to solve word problems dealing with:
   
   a. addition, subtraction, multiplication, and division of whole numbers
   b. fractions
   c. decimals
   d. ratio and proportion
   e. consumer mathematics

Course Scope and Content:

Unit I Addition and Subtraction of Real Numbers

Unit II Multiplication and Division of Whole Numbers
Unit III Multiplying and Dividing Fractions
Unit IV Adding and Subtracting Fractions
Unit V Decimals
Unit VI Ratio and Proportion
Unit VII Percent
Unit VIII Measurement

Learning Activities Required Outside of Class:

The students in this class will spend a minimum of 2 hours per week outside of the regular class time doing the following:

1. Computer work
2. Planning, organizing, and self-monitoring in the student's own environment

Methods of Evaluation:

1. Completion of assignments.
2. Successful completion of all quizzes with 80% accuracy.
3. Demonstrate competency with 80% accuracy on all tests.