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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.