

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: BSK 1

Credits: 1

Course Title: Whole Numbers

Course Description: Covers whole number principles and computations. Develops the mathematical mastery necessary for MTE 1. Credits not applicable toward graduation. Lecture 4 hours per week for $\frac{1}{4}$ semester.

General Course Purpose: This course is designed to provide understanding and practice in whole numbers and operations on whole numbers.

Course Prerequisites and Co-requisites:

None

Course Objectives:

Upon completing the course, the student will be able to

- a. Identify place value of whole numbers;
- b. Add whole numbers without aid of a calculator;
- c. Subtract whole numbers without aid of a calculator;
- d. Multiply whole numbers without aid of a calculator;
- e. Divide whole numbers, giving answers in terms of quotient and remainder, without aid of a calculator;
- f. Use order of operations to simplify numeric expression;
- g. Determine appropriate whole number operation, given a sample situation;
- h. Round numbers to the indicated precision;
- i. Find the average of a list of numbers; and
- j. Find the perimeter and area of a rectangle.

Major Topics to Be Included:

- a. Place value
- b. Addition
- c. Subtraction
- d. Multiplication
- e. Division
- f. Estimation
- g. Order of operations
- h. Applications – area, perimeter, average

Effective Date of Course Content Summary: January 2, 2012