

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

Course Prefix and Number: BSK 1

Credits: 1

Course Title: Whole Numbers

Course Description (as it should appear in the catalog)

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 ¼ semester.

General Course Purpose

This course is designed to provide understanding and practice in whole numbers and operations on whole numbers.

Course Objectives (Each item should complete the following sentence.)

Upon completing the course, the student will be able to:

1. Identify place value of whole numbers.
2. Add whole numbers without aid of a calculator
3. Subtract whole numbers without aid of a calculator
4. Multiply whole numbers without aid of a calculator
5. Divide whole numbers, giving answers in terms of quotient and remainder, without aid of a calculator.
6. Use order of operations to simplify numeric expression
7. Determine appropriate whole number operation, given a sample situation.
8. Round numbers to the indicated precision.
9. Find the average of a list of numbers.
10. Find the perimeter and area of a rectangle.

Major Topics to be Included

1. Place Value
2. Addition
3. Subtraction
4. Multiplication
5. Division
6. Estimation
7. Order of Operations
8. Applications – Area, Perimeter, Average

Effective Date of Course Content Summary (Month, Date Year): January 2, 2012