

COLLEGEWIDE COURSE OUTLINE OF RECORD

MAT 040, BASIC MATHEMATICS SKILLS

COURSE TITLE: Basic Mathematics Skills

COURSE NUMBER: MAT 040

PREREQUISITES: Demonstrated competency through appropriate assessment.

DIVISION: General Education

PROGRAM: Academic Skills Advancement

CREDIT HOURS: 3

CONTACT HOURS: Lecture: 3

DATE OF LAST REVISION: Spring, 2005

EFFECTIVE DATE OF THIS REVISION: Fall, 2005

CATALOG DESCRIPTION: Concentrates on basic operations with whole numbers, fractions, decimals and their applications. Introduces a variety of math learning strategies. Includes United States Customary Measurement System.

MAJOR COURSE LEARNING OBJECTIVES: Upon successful completion of this course the student will be expected to:

1. Perform basic operations with whole numbers.
2. Perform basic operations with fractions.
3. Perform basic operations with decimals.
4. Demonstrate estimation, rounding and mental math.
5. Solve a variety of application problems in the above areas.
6. Demonstrate correct order of operations.
7. Apply strategies for dealing with test and math anxiety.
8. Apply various learning strategies to coursework.
9. Demonstrate a basic understanding of the United States Customary Measurement System.
10. Use relevant mathematical terminology, laws, and notation.
11. Use computer technology, which may include the Internet, the Web, email, or computer tutorials to enhance the course objectives.

COURSE CONTENT: Topical areas of study include –

Operations with whole numbers

Basic fractions

Basic decimals

Order of operations

Estimation and rounding

Application problems

Calculator Competency

SUGGESTED TEXTS/CURRICULUM MATERIALS: (latest edition)

Bittinger, Marvin. *Basic Mathematics*. Addison Wesley.

ACADEMIC HONESTY STATEMENT:

The College is committed to academic integrity in all its practices. The faculty value intellectual integrity and a high standard of academic conduct. Activities that violate academic integrity undermine the quality and diminish the value of educational achievement.

Cheating on papers, tests or other academic works is a violation of College rules. No student shall engage in behavior that, in the judgment of the instructor of the class, may be construed as cheating. This may include, but is not limited to, plagiarism or other forms of academic dishonesty such as the acquisition without permission of tests or other academic materials and/or distribution of these materials and other academic work. This includes students who aid and abet as well as those who attempt such behavior.

ADA STATEMENT:

Ivy Tech State College seeks to provide reasonable accommodations for qualified individuals with documented disabilities. If you need an accommodation because of a documented disability, please contact the Office of Disability Support Services.

If you will require assistance during an emergency evacuation, notify your instructor immediately. Look for evacuation procedures posted in your classroom.