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MAT 005.04: Introductory Algebra

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Introductory Algebra

Math 005

4 Credits

Fall Semester 2006

Instructor: Jane Micklus

Mathematics

College of Technology

909 South Avenue West

Missoula, MT 59801

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Prerequisite: Math 002

Course Description: This course is intended to provide students with an introduction to algebra. Students will learn how to solve simple equations in a variety of ways using the properties of numbers and the axioms of algebra, and will be ready for Math 100, Intermediate Algebra, upon completion.

Student Performance Outcomes:

Upon completion of this class, the student will be able to:

1. Identify and work with real numbers and algebraic expressions
2. Solve equations and inequalities
3. Graph linear equations and functions, including the use of slope and y-intercept
4. Solve systems of linear equations using substitution and elimination
5. Work with polynomials and operations

Required Textbook: *Elementary and Intermediate Algebra*, by Bittenger, Ellenbogen, and Johnson.

Assignments and grading: Students will have daily assignments concerned with the material covered in class. Sometimes I will collect the assignments. It is the student's responsibility to keep up on the assignments and ask questions. Pop quizzes will be given periodically, and a test will be given at the end of each unit. There will be a final exam during final exam week.

Tests and quizzes will be 60% of grade.

Attendance will be 25% of grade.

Miscellaneous daily assignments will be 15 % of grade.

A = 90% - 100%

B = 80% - 90%

C = 70% - 80%

D = 60% - 70%

F = 59% or lower