MAT 005.04: Introductory Algebra

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Introductory Algebra
Math 005
4 Credits
Fall Semester 2006

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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