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MAT 100.04: Intermediate Algebra

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Intermediate Algebra
Math 100
3 Credits
Fall Semester 2006

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Prerequisite: Math 005

Course Description: This course is intended to provide students with a solid foundation in algebra. The basic concepts of graphing and functions will be introduced, and problem solving techniques, real-life and real-data applications, data interpretation, and appropriate use of technology, mental mathematics, number sense, and geometric concepts will be emphasized.

Student Performance Outcomes:
Upon completion of this class, the student will be able to:
1. Use real numbers and algebraic expressions
2. Use equations and inequalities to solve problems
3. Graph linear equations and functions
4. Solve systems of linear equations
5. Work with polynomials and polynomial functions
6. Factor trinomials and solve equations using factoring
7. Solve quadratic equations and functions
8. Recognize exponential and logarithmic functions

Required Textbook:
Intermediate Algebra, by Bittinger and Ellenbogen

Assignments and grading:
Students will have daily assignments concerned with the material covered in class, which will account for 15% of the grade. I will not always collect daily work. It is up to the student to do the problems and bring up any questions. A test will be given at the end of each unit in addition to the final exam. Tests will make up 60% of the student’s grade. Attendance and participation will make up 25% of the grade.
A = 90% - 100%
B = 80% - 90%
C = 70% - 80%
D = 60% - 70%
F = 59% or lower