Syllabus
Math 102 Introductory Algebra
Summer 1 May 2002 - June 28, 2002
MTWRF: 9:40 am   11:20 am   H102

Instructor: Dr. Edward J Reiser

Office: Math lab
Office Hours: MTWRF ---11:30 am ---12:30pm.

Text Book: Beginning Algebra (fourth edition). By R.Gustatson & Peter D. Frisk.
Brooks / cole Publishing Company.

Course Description: Introductory algebra will cover the following topics: Real numbers with basic properties, polynomials and factoring, rational expressions, simple radicals (square roots and cube roots), linear equations and inequalities, lines and graphing, systems of linear equations, and applications of equations. This course prepares the student for MA103, College Algebra.

Topics Covered:

1)   Concepts and properties of real number system. (Ch1)
2)   Linear equations and inequalities, some applications. (Ch2)
3)   Polynomials: arithmetic properties, and factoring. (Ch3 & Ch4)
4)   Rational expressions and equations. (Ch5)
5)   Lines on the plane and equations of lines. (Ch6)
6)   Systems of linear equations and inequalities: solutions by graphing, by substitution, and by addition. (Ch7)
7)   The arithmetic of square roots and arithmetic. (Ch8)
8)   Optional: Quadratic equations.

Homework and Quizzes:
A number of problems from each section covered will be assigned. The homework will not be collected, but the quizzes, midterm and final will be based on the homework. The only way to learn mathematics is to do mathematics, hence the homework is extremely important. A quiz will be given almost every day at the end of class. The quizzes will be based on the days lecture and the homework from the previous lecture. Quizzes can not be made up.

Grading:

In addition to the quizzes, there will be a midterm and a final. The quizzes are worth 33% of the grade, the midterm is worth 33% of the grade and the final is worth 34% of the grade