MATH 102 - INTRODUCTION TO ALGEBRA

Course Dates: July 2nd – September 12th, 2006
Class Times: Tuesday and Thursday, 5:30-7:35 PM
Course Text: Beginning Algebra (sixth edition), Gustafson and Frisk
Instructor: Dr. Torrance L. Trevorrow (phone number given in class)
Office Hours: By arrangement – usually before or after class
Email: torrance.trevorrow@adjunct.chaminade.edu
Alternate: If system is "down": numeroprime@yahoo.com

COURSE DESCRIPTION: This introductory algebra course requires competency in the basic arithmetic operations of real numbers (add, subtract, multiply, and divide fractions, decimals, and positive and negative numbers.) Topics and content may be modified at the instructor's discretion. After a brief review of the real number system and its basic properties, the topics to be covered may include but are not limited to:

1)   SOLVING ALGEBRAIC EQUATIONS AND INEQUALITIES;
2)   GRAPHING LINEAR EQUATIONS AND INEQUALITIES;
3)   SOLVING SYSTEMS OF EQUATIONS AND INEQUALITIES;
4)   SIMPLIFYING POLYNOMIAL EXPRESSIONS;
5)   FACTORING POLYNOMIALS;
6)   SIMPLIFYING RATIONAL EXPRESSIONS;
7)   SOLVING RATIONAL EQUATIONS;
8)   SIMPLIFYING RADICAL EXPRESSIONS;
9)   SOLVING RADICAL EQUATIONS; AND
10) SOLVING QUADRATIC EQUATIONS.

REQUIRED MATERIALS: calculator, graph paper, ruler, text, pencil, eraser, and other items as discussed in class.

ATTENDANCE: Students are expected to attend all classes. If you are unable to attend a class, you are responsible for the material that was covered. Understanding of topics in mathematics is often dependent on mastery of material that was presented previously.

HOMEWORK: It is the responsibility of the student to master the assigned homework and material covered in class. Students will present worked solutions from the homework section at the beginning of the next class.

QUIZZES: A quiz will be given after student presentations each day of class.

GRADING: Based on attendance, quizzes, class participation, and presentations according to the following percentages:

Class Participation and Presentations	20%
Quizzes and Final	80%

COURSE OUTLINE: To be provided in class. As a guideline we will be covering the first nine chapters in varying degrees which may be modified according to class interests and abilities.

ASSISTANCE   You can get help with this course from me, the Math Lab (at CUH), and from AAP (according to their requirements). Various internet sites can also be of value.