MA102 INTRODUCTORY ALGEBRA

Fall 1999

MWF 2:00 – 2:50pm   H118

INSTRUCTOR: DR. CHOCK WONG

Office: Henry Hall 018   (Phone: 739-4682)

Office Hours: MWF 10:00–11:00am, TH 2:00–3:00pm.

Course Description: Introductory algebra: 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.

Textbook: <u>Beginning Algebra</u> (fourth edition). By R. David Gustatson & Peter D. Frisk. *Brooks/cole Publishing Company.*

Topics to Covered: Chapter 1 to Chapter 8 of the textbook will be covered, and the main topics are:

    (1) Concepts and properties of the real number system. (Ch1)

    (2) Linear equations and inequalities, some applications. (Ch2)

    (3) Polynomials: arithmetic; factoring. (Ch3 & Ch4)

    (4) Rational expressionsand 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) Square roots and cubes: their arithmetic. (Ch8)

    (8) Optional: Quadratic equations. (Ch9)

Homework: For each section covered, a certain amount of *odd numbered problems* will be assigned as your daily exercises. Although these are "on your own" assignments (need not turn in), you should work them out on time to keep up with the progress of the course. You may be called to present your solutions on the board in a later day, and you will see these problems again in the weekly quizzes.

Quizzes and Exams:

(1) Quizzes will be given at least once per week. Usually a quiz is given in the beginning of a class meeting. NO makeup quiz is allowed, except a missing is due to illness (with doctor's notes) or school sport events (a memo from director is required).

(2) Two Midterm Exams will be given: **Exam 1**, to cover Chapter 1 to 4, will be on Week 6; and **Exam 2**, to cover Chapter 5 to 7, will be on Week 11.

(3) The Final Exam will be accumulated.

Grading:

Class Participation:	10% of the total
QUIZZES:	30% of the total
Midterm Exams:	30% of the total
FINAL EXAM:	30% of the total