MATH 103
COLLEGE ALGEBRA
CHAMINADE UNIVERSITY

Winter 1998
TTh 7:50 p.m. - 9:55 p.m.
INSTRUCTOR: LOU N. SHIMABUKU

Course Description: Operations with algebraic expressions, exponents, radicals, linear and quadratic equations and inequalities, equations involving radicals or rational expressions, and exponential and logarithmic functions.

Prerequisites: Placement test, or passing MA102; or consent of instructor.

Text Book: <u>Algebra for College Students (fourth edition).</u> By R David Gustafson & Peter D. Frisk. Books/Cole Publishing Company. ISBN 0-4534-25188-9.

Topics to be Covered: The following chapters will be covered: 1 to 8, 10, 12, & 14.
   (1) Ch.1 - Concepts and properties of real number system.
   (2) Ch. 2 & Ch.4 - Polynomials: arithmetic and factoring
   (3) Ch.3 - Linear equations and inequalities, inequalities involving absolute values.
   (4) Ch.5 - Rational expressions and equations.
   (5) Ch.7 - Rational exponents and radicals: equations containing radicals.
   (6) Ch.6 - Concepts of coordinate system: graphs of linear equations.
   (7) Ch.8 - Quadratic equations and inequalities
   (8) Ch.10 - Systems of linear equations and inequalities: solutions by graphing, by substitution and addition, by determinants, (by matrices)
   (9) Ch.12 - Exponential and logarithmic functions and equations.
   (10) Ch.14 - Selected topics from chapter 14.

Among the topics listed above, Chapters 1 to 5, and parts of Chapter7, 8, and 10 may have been taught in MA102, and this course will give REVIEW to those topics, Others are NEW topics and will be taught in more detail.

Class Participation: Because of the fast pace of the course, attendance is extremely important. Class meetings will be conducted in an interactive manner: In addition to listening to lectures and taking notes, students are expected to actively participate in all kinds of class activities, including self-exercises, group discussions, presentations (board works), and so on. Remember: Attendance and class presentations will be recorded and become an important part in grading.

Homework & Quizzes: (1) Daily Exercises. For each section covered, a certain amount of odd numbered problems from the textbook will be assigned as basic exercises. You should work them out on time to keep up with the progress of the course. (2) Quizzes will be given periodically throughout the course of the semester. Make up quizzes will not be allowed except in the case of excused absences.

EXAMINATIONS: A one-hour mid-term exam will be given approximately at the mid-point of the semester. The mid-term will include the material discussed up to that point. There will also be a

cumulative final exam. The final will include all material discussed from the beginning of the course to the day of the final exam. The final will be given on the last day of class. March 19, 1998.

GRADING:
Attendance:	10%
Quizzes:	35%
Mid-term Exam:	20%
Final Exam:	35%

DATES TO REMEMBER:

January 20, 1998	Last Day to Add/Drop/Change of Program.
March 3, 1998	Last Day to Withdraw from Class/Last Day to Apply for Credit/No Credit Option.