

FD '01

**Chaminade University of Honolulu
Fall Semester 2001**

Course: MA103: College Algebra

Time: Tu-Th 2:00 - 3:20

Instructor: Dr. Roger Taylor

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PO Box 38048, Honolulu, Hi 96837

Textbook: Algebra for College Students (5th) Edition, by R. David Gustafson & Peter D. Frisk, 1999. Brooks/Cole Publishing Co., Pacific Grove, CA

Course Description

Algebra knowledge and skills for college studies: Sets and real number system, exponents and polynomials, rational and radical expressions, equations and inequalities with applications, including equations containing rational and radical expressions, systems of equations, beginning analytic geometry and functions, exponential and logarithmic functions

Objectives

1. To give the student a firm foundation in the fundamentals of Algebra.
2. To prepare the student for entry into MA110 Precalculus.
3. Emphases are: Skills in manipulating algebraic expressions (polynomials, rational expressions, radical expressions), in solving equations and inequalities, basic concepts of functions, including exponential and logarithmic functions.

Teaching Philosophy:

Responsibility for your learning rests solely on you the student. You have to do the classwork, you have to ask the questions, you have to do the homework, and you have to perform on quizzes and tests. I am only a guide and record keeper. You are also responsible for knowing or updating yourself on all prerequisite information.

Topics to Cover

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|-------------------------|------------------------|
| Chapter 1: Review | Chapter 7: 7.1-7.2 |
| Chapter 2: 2.1-2.5 | Chapter 8: 8.1, 8.3 |
| Chapter 3: 3.2, 3.3,3.4 | Chapter 10: 10.1-10.5 |
| Chapter 4: 4.1, 4.2 | Chapter 11: 11.1 |
| Chapter 5: 5.1-5.8 | Chapter 13: 13.1, 13.2 |

Homework:

Homework will be assigned on a daily basis. It will be date stamped. You are to keep this homework in a notebook along with tests and quizzes. A complete, well kept and up to date notebook can be worth up to a 5% bonus on your grade at the end of the semester. You may do extra work that is not assigned and it will be added into this 5% bonus.

Quizzes:

You will have short daily quizzes covering previously assigned homework. You will not be allowed to make up any quizzes as I will drop the lowest grade.

Tests:

You will have 2 or 3 hour tests which will always be cumulative with most of the test coming from the most previously covered material.

Take Home Exercises: These will be graded and returned. A grade on a take home exercise turned in late will be multiplied by the factor .7 (i.e., a 30% penalty)

Attendance:

Absence from any class session is especially detrimental to a student and should not be taken lightly. Missed instruction is a recipe for lowering your grade. If excessive, it makes passing the course difficult, if not impossible. If an exam is missed because of an unavoidable and verifiable reason, see the Instructor immediately (Beforehand is preferable.) Makeup may be allowed, at the sole discretion of the Instructor

Evaluation:

Your grade will be based on the following:

90-100	A	Quizzes	15%
80 - 89	B	Take home Exercises	20%
70 - 79	C	Tests	20%
60 - 69	D	Midterm	20%
0 - 59.5	F	Comprehensive Final exam	25%

Learning Outcome Assessment:

- *Knowledge of the subject matter from the textbook, media articles, class lectures, discussion.
- *Ability to present a short discussion on a mathematical topic.
- *Clarity and logical presentation.
- * Well written solutions to all problems. (Show your work, know the methods)