MA 103 College Algebra

Thomas Spring, SM
Chaminade University
Honolulu, Hawaii

Spring 1999, Accelerated Session

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Course Expectations

Bring the textbook to class: Algebra for College Students
BY: Gustafson and Frisk
Brooks/Cole 1995, 4th Edition

Attendance: Most of the learning in this course will be done
in small groups. A daily grade is given for your
participation in your group and that grade will be directly
affected by your attendance.

Assignments: Assignments are given out each week and are due
the next class session.

Tests: Three tests will be given during the term. Their
dates are 23 April, 14 May and 11 June. They will be a
small group effort.

Calculators: You may use a calculator at any time unless I
specify otherwise. You will need a **scientific**
calculator. It need not be a **graphing** calculator.

Grade: Your grade is computed by weighing equally your
averages in your Participation, the Assignments and the
Tests.

Assistance: I am eager to be of assistance to you outside of
class. The heading on this sheet tells you where
and how to find me.
The Learning Center on the lower floor of Eiben
Hall will provide you with a tutor free of charge. You must ask
and you must keep their appointments.
The Math Lab offers tutoring on a drop in basis.
It is located next to my office on the bottom floor of Henry
Hall. It is generally open from 9:00 a.m. to 3:00 p.m. till 30
April.

Walter Paddington: His mission in life is to witness to such
attitudes as: there is more to life than
mathematics, success is more than high grades, each of us is
unconditionally loved, each of us is a wonderful mystery. Walter
is available for consultation at any time. Consultation generally
takes the form of hugging and holding.

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Syllabus

Real numbers, their properties and the four operations performed on them.

Order of operations; absolute value; integral exponents.

Polynomials and the four operations performed on them.
     Synthetic division. The Remainder Theorem. The Factor Theorem.

Factoring polynomials. The Zero Factor Theorem and solving quadratic equations.

The four operations on rational expressions.

Equations: linear, quadratic, with rational expressions. Linear inequalities.

Systems of equations.

Radicals, their properties and the four operations performed on them.

Equations with radicals.

Rational exponents.

Functions: linear, quadratic; graphs; function concept; domain; range. Circles.

Exponential function: properties, graph, applications.

Logarithmic function: properties, graph, applications; properties of logarithms.

Binomial theorem.

Sequences, series. Sigma notation.