

SD'D
Pm



MA 098 Basic Mathematics

Thomas Spring, SM

Spring Semester, 2000; Day Session

E-Mail: tspring@chaminade.edu

Office: HH 22

Telephone 808/735-4895

Syllabus

Text: "Mathematical Investigations" by DeMarois, McGowen, Whitkanack. Addison Wesley. 1998.

Course Purpose: To prepare the student for the study of Algebra.

Course Objectives: By 5 May 2000, the student will be able

- to intuit how numbers relate to each other, especially with regard to order, in their various kinds (whole numbers, integers, rationals, irrationals, reals);
- to use some technical mathematical vocabulary;
- to detect simple numerical patterns;
- to collect and average data;
- to take advantage of estimation in solving problems;
- to perform the four operations on all rational numbers;
- to know and use the powers of small integers, gain a familiarity with the meaning of roots and rational exponents;
- to perform the four operations on expressions containing absolute values;
- to perform the four operations on all rational numbers; make estimates;
- to add, subtract and multiply polynomials;
- to do the four operations on rational expressions with monomial denominators;
- to multiply and divide exponential expressions with like bases;
- to evaluate algebraic expressions;
- to solve linear equations;
- to define the concept of function and to recognize a function;
- to use a graphing calculator.

Strategies for Learning:

Group work
Mathematical games
Daily assignments
Frequent quizzes (announced before hand)
Tests (announced before hand)
Group project: data collection, analysis of the data, written report
Final exam

Grade:

Your grade will be determined by averaging the averages of your grades in each of the following; group work, assignments, quizzes, test, project(s) and the final exam.

Attendance:

Your grade for your group work will depend, among other things, on your participation which requires your presence.

Caclulator:

I will lend you a graphing calculator for which you will have to sign a contract. If you lose the calculator or fail to return it, you will be billed \$109.00 for its replacement.

Assistance:

I am able and eager to be of assistance. My office hours are posted on my office door. To find that door, look at the letterhead on this sheet.

The Math Lab eill be open in a couple of weeks. It is next to my office. You can drop in there and ask for help.

The Learning Center will find you a tutor with whom you must make and keep appointments. It is located on the bottom floor of Eiben Hall.

Walter Paddington:

Walter's 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.
- Walter is available for consultation at any time. Consultation usually takes place through hugging and holding.