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CHAMINADE UNIVERSITY OF HOHOLULU

MATHEMATICS 102 INTRODUCTORY ALGEBRA FALL, 1999

INSTRUCTOR: Mrs. V. Kilty Office: H-18 Phone: 739-4681 Home phone: 395-8258
Office hours: (to be announced) and by appointment
SECTION 102-02 TIME: Tues., Thurs. 2:00--3:20 Henry Hall Room 104

TEXTBOOK: *Beginning Algebra*, 4th Edition, by Gustafson and Frisk, 1994, Brooks/Cole Publishing Co., Pacific Grove, CA, ISBN 0-534-24618-4

COURSE DESCRIPTION: Introductory Algebra. Real numbers and their basic properties, polynomials, factoring, rational expressions, simple radicals, square roots and cube roots, linear equations and inequalities, lines in the plane, systems of linear equations, applications of equations. Credits not applicable towards the general education requirement in mathematics for any degree. (3 credits)

OBJECTIVE: To give the student a firm foundation for entry into Math 103

EVALUATION: Final grade for the course will be based on:

- A comprehensive Final Examination (30%)
- Tests and Midterm Exam (30%)
- Homework and Homework Quizzes--includes Notebook (30%)
- Class Participation (10%)

NOTE: Late class requirements will receive a grading penalty of 20%

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 a test 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. Of course, if you are absent, your Class Participation grade will suffer.

HOMEWORK: Homework consists of two types

NOTEBOOK: Practice examples to be done, (checking your answers as you go along so you do not learn to do them wrong), put in a loose leaf notebook which will be collected and graded at the end of given topics of study, usually due on the day of a test on that unit of study. This Notebook should be separate from your class notes, with well organized papers stapled together in order. Your Notebook will be graded

HOMEWORK ASSIGNMENTS: To be handed in at the next class session for grading

An Answer column is required on all papers--See "Homework Set-up" page (attached.) Remember, 20% penalty on all late work!!

Just as you cannot be a great, or even a good, ballplayer or pianist, or whatever, without

going to practice sessions (class) and also doing practice on your own (homework), so you cannot master math without practice. Resolve now to do your math assignments faithfully.

MATERIALS NEEDED FOR CLASS

Scientific Calculator
Graph paper Must be $\frac{1}{4}$ inch--(one-quarter inch squares)
Colored pens or pencils
Highlighter
Ruler
Compass for drawing circles

CLASS PROCEDURE

If you do not understand a step in a class lecture, raise your hand at that critical point. When appropriate, we will tackle homework at the end of the class period. This does not mean that class is over. If you leave early, you will receive a zero for that day's class participation

COURSE OUTLINE

This schedule may be adjusted as deemed appropriate in the best interests of the class

- Operations with real numbers (ch. 1)
- Equations and inequalities with applications (ch. 2)
- Exponents and operations with polynomials (ch. 3)
- Factoring polynomials (ch. 4)
- Operations with rational expressions (ch. 5)
- Graphing equations, slope of a line, writing equations of lines (ch. 6.1--6.3)
- Solving systems of equations (ch. 7.1--7.3)
- Roots and radical expressions, rational exponents, solving radical equations, distance formula (ch. 8)