CHAMINADE UNIVERSITY OF HONOLULU

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NATION NATION

MATHEMATICS 103 COLLEGE ALGEBRA SPRING SEMESTER, 2000

INSTRUCTOR: Mrs. V. Kilty Office: H-18 Ph. 739-4681 Home: 395-8258 Office Hours: Tues. & Thurs. (TBA) & by appointment SECTION 103-02 TIME : Tues. Thur. 2:00--3:20 Henry Hall Room 118

PREREQUISITES: Math 102 or equivalent with a grade of C or better, or Placement Test (12).

TEXTBOOK: <u>Algebra for College Students, FIFTH edition</u>, by R. David Gustafson & Peter D. Frisk, 1999. Brooks/Cole Publishing Co., Pacific Grove, Calif.,

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, and, as time allows, the Sigma notation, the Binomial theorem and progressions.

(3 CREDITS) Fulfills Track B general education requirement in Mathematics. Not open to students with credits in Math 110, 210 or higher numbered math courses.

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.

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 passsing 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.

MATH 103 SYLLABUS SPRING, 2000

<u>HOMEWORK</u> consists of 2 types: **HAND IN and NOTEBOOK**

HAND IN: Specifically assigned to be handed in at the next class session. You **must** use an answer column. (See attached). This work will be corrected and returned promptly.

- NOTEBOOK: This is your practice work to follow each lesson. Check your answers as you go along. It will be composed of reworking teaching examples, doing the <u>self check</u> for each teaching example, some hand-out dittos, etc. When you have completed the above, do the assigned examples at the end of each Section as assigned. Put this work in a *loose leaf* notebook separate from your Class Notes. Your NOTEBOOK will be checked periodically and included in your homework average. Use a loose leaf notebook for this work as selected work will be handed in from time to time and is to be stapled together <u>in order</u> assigned.
- CHAPTER SUMMARIES AND CHAPTER TESTS Always do work from these even if not specifically assigned., as many test questions will be taken from these examples.

MATERIALS NEEDED FOR CLASS

Scientific Calculator Graph paper: It <u>must</u> be ¹/₄ inch squares Colored pens or pencils Highlighter Ruler and Compass

CLASS PROCEDURE

If you do not understand a step in a Lecture, raise your hand at that critical point. Do not let the opportunity to clarify something pass you by!! 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 unless specifically excused,, you will receive a zero for that day's class class participation.

COURSE OUTLINE

Chap. 1--Review Chap. 2.1--2.5 Chap. 3.1, 3.2, 3.5 Chap. 4.1--4.3 Chap. 5 Chap. 6 Chap. 7 Chap. 8..1, 8.3 8.4 Chap. 10 Chap. 13 as time allows

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