

MA110 PRECALCULUS

Fall 1999

TTH 12:30 – 1:50pm HH121

INSTRUCTOR: Dr. CHOCK WONG

Office: Henry Hall 018 (Phone: 739-4682)

Office Hours: MWF 10:00–11:00am, TH 2:00-3:00pm.

Course Description: Foundation for further study in mathematics. Primarily the preparatory course for Calculus I. Topics include functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions and their inverses, and other selected topics.

Prerequisites: MA103 or equivalent, or by placement test.

Text Book: Precalculus: Functions and Graphs (6th edition). By Munem & Yizze. *Worth Publishers, Inc.*

Objectives: To prepare students for Calculus, to develop skills in algebra, analytic geometry, and trigonometry. The course consists of 3 parts:

- (1) PART I. Functions and analytic geometry, including selected sections from Chapter 1 to Chapter 4.
- (2) PART II. Trigonometry: Chapter 5, Chapter 6, & §§7.1, 7.2.
- (3) PART III. Advanced topics: Selected sections from Chapter 9.

Homework: Many odd numbered problems in each section being covered will be assigned as your daily exercises and should be done on your own (need not turn in, however, they will be tested thru the weekly Quizzes). There will be handout assignment worksheets to turn in for grading. Late homework will receive grading penalty (up to 20% reduction per class meeting). Keep in mind to turn in homework on time.

Quizzes and Exams:

- (1) There will be at least one quiz per week;
- (2) No make up quizzes will be given;
- (3) One mid-term exam @ Week 8, to cover Chapter 1 to Chapter 4;
- (4) Final Exam will be accumulated.

Grading:

HOMEWORK:	20% of the total
QUIZZES:	30% of the total
Mid-term EXAM:	20% of the total
FINAL EXAM:	30% of the total