

MA110 PRECALCULUS

Spring 1998

TTH 12:30 - 1:50pm HH104

INSTRUCTOR: Dr. CHOCK Y. WONG

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

Office Hours: MW 1:00-2:00pm, 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 some other selected topics.

Prerequisites: MA103 or equivalent, or by placement test.

Text Book: Algebra and Trigonometry with Applications (3rd edition).
By Munem & Foulis. *Worth Publishers, INC.* ISBN 0-87901-498-9.

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: Chapter 3 (§§3.3-3.7), Chapter 4 (selected sections), & Chapter 5 (focused on §5.5).
- (2) PART II. Trigonometry, including: Chapter 6, Chapter 7, & Chapter 8 (§§8.1-8.3).
- (3) PART III. Advanced topics: Selected sections from Chapter 9, 10 and 11.

Homework: In order to keep up with the progress of the course, most odd numbered problems in each section being covered are strongly recommended be done on your own. There will be handout assignment worksheets to turn in for grading. Late homework will receive grading penalty (up to 20% reduction per class meeting). There will be computer lab work and assignments as well, which need to be done in the MATH LAB (Henry Hall 020) with helps from the tutors.

Quizzes and Exams:

There will be 10 quizzes (8 best ones will be counted), one mid-term exam (@ Week 8, to cover Chapter 3, 4, 5) and a accumulated Final Exam. Because regular attendance is essential for this course, NO make-up quiz will be allowed in general.

Grading:

- HOMWORK: 25% of the total
- QUIZZES: 20% of the total
- Mid-term EXAM: 20% of the total
- FINAL EXAM: 35% of the total