MA110 PRECALCULUS

Spring 2000

TTH 2:00 – 3:20pm   HH37 (HH39A)

INSTRUCTOR: Dr. CHOCK Y. WONG

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

Office Hours: M 2:00–3:00pm, W 1:00–2:30, TH 12:30-1:50pm.

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: PRECALCUS Mathematics for Calculus (3nd edition). By Stewart/Redlin/Watson. *Brooks/Cole Publishing Company.* ISBN 0-534-34502-2.

Objectives: To prepare students for Calculus, to develop skills in algebra, analytic geometry, and trigonometry. The course includes 3 parts of contents:
  (1) PART I. Functions and analytic geometry: §§1.8, 1.10, Chapter 2 (§§2.1, 2.2, 2.5–2.7), Chapter 3 (§§3.1, 3.2, 3.5), and Chapter 4 (selected sections).
  (2) PART II. Trigonometry: Chapter 5, Chapter 6, Chapter 7 (§§7.1–7.5).
  (3) PART III. Advanced topics: Selected sections from Chapter 9.

Homework: In order to keep up with the progress of the course, many odd numbered problems in each section being covered will be asigned for students' practice (**"on your own"**) — please note that these problems are also in the "test bank" of the Quizzes to come. 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 weekly quizzes (more than 10 in total, but 10 best scores will be counted), one mid-term exam (@ Week 8, to cover Chapter 1, 2, 3, and 4) and a accumulative Final Exam. To strees the importance of regular attendance for this course, NO make-up quiz will be allowed in general.

Grading: (subject to changes)

HOMEWORK:	25% of the total
QUIZZES:	25% of the total
Mid-term EXAM:	17% of the total
FINAL EXAM:	33% of the total