Precalculus Syllabus (Summer 2008)

General information:

Class: Precalculus, MAT 1093:01T

Instructor: Dr. Fengxin Chen

Class Time and Classroom: TR 12:00-1:50 pm, HSS 2.02.16

Office and Phone: Dr. Chen: SB 4.02.58, 458-5696

e-mail address: feng@math.utsa.edu,

Class page in internet: http://www.math.utsa.edu/ feng/courses/precalculus.html

Office hour: TW 2:00-2:50 or by appointment

Prerequisite: MAT 1023(College Algebra), or an equivalent course

Text book: Trigonometry (A Unit Circle Approach)(eighth edition), by Sullivan. We will cover

- Chapters 2 2.1-2.5
- Chapters 3 3.1-3.8
- Chapters 4 4.1-4.4
- Chapters 5 5.1-5.3 (and 5.4-5.7 if time permits)
- Chapters 7 7.1-7.4

You are expected to read the text, not just scan it for examples similar to the homework.

Objectives: MAT 1093 includes the study of trigonometric functions and their inverses and their applications, exponential and logarithmic functions, the polar coordinate system and polar graphs, and De Moivre’s theorem. This course is aimed to provide students with skills needed for Calculus courses. Students will be expected to demonstrate proficiency in these areas and to develop effective problem solving skills.

Attendance: Attendance will not be taken but it is crucial for several reasons. First and foremost, you will gain a better understanding of the material by coming to class. Second, homework is discussed in class. In addition, changes in the syllabus or schedule may occur and will be announced only in class.

Class Policy: Your grade will be based on homework (10%), one mid-term exam (40%), and the final exam (50%). Homework will be assigned daily and students are expected to finish it before the next class day. Mid-term exam and final exam dates will be given in class. The final exam is comprehensive. Make-up tests are given only under certain extenuating circumstances.

Grading Scales (by percentage):

- A 90—100
- B 80—89
- C 70—79
- D 60—69