

FD '00  
PM

**Syllabus MA 110 ( 3 credits )      Fall, 2000**

Tu, Th. 11:00 AM    H 118

**Instructor :** Mi-Soo Smith, Ph.D. Prof. Emer.

**Office Hour :** By Appointment .    **Office :** HH018

**Textbook :** Precalculus , Mathematics for Calculus , Third Edition  
By J. Stewart, L. Redlin, S. Watson  
Published by Brooks/Cole Publishing Co.    ISBN 0-534-34504-2

**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 function, trigonometric functions and their inverses, and other selected topics.

**Prerequisites:** MA 103 or equivalent, or by placement test.

**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  
Chapter 1 ( sections 7, 8, 10 ), Chapter 2 ( Sections 1, 2, 4, 5, 6, 7 ).  
Chapter 3 ( sections 1, 2, .5) and Chapter 4 (Selected sections)
- (2) PART II Trigonometry  
Chapter 5, Chapter 6 and Chapter 7 (sections 1 thru 5) .
- (3) PART III . More Algebra ( selected topics from Chapters 8. 9 and 10)

**Homework :** In order to keep up with the progress of the course, most of odd numbered exercise problems in each section being covered are assigned for students' practice ( **On Your Own** ) . **Preview** relevant sections and review .

Few selected problems from each section being covered and handout worksheets are to be turned in for checking and for credits. Late homework will not receive credits . Homework assignments are not tests. If you have difficulties, get help . There will be computer lab work and assignments as well, which need to be done in the MATH LAB ( H020) with helps from the tutors.

**Grading Policy :** HOMEWORK 25% , QUIZZES and MIDTERM EXAMS 45%  
FINAL EXAMINATION 30%

Weekly quizzes and Midterm Exams will be given on Thursdays.