

FD '00

MA110 PRECALCULUS
FALL 2000
TTH 11:00 - 12:00 P.M. (H118)

INSTRUCTOR: DR. PUI LAM
PHONE: 956-298

Organization for the remainder of the semester will be:

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| (1) Set a weekly objective |
| (2) Homework daily (go over homework in class if time allows) |
| (3) Quiz ~ every 2 weeks (NO makeup quiz) |

Grading:

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| Homework: 25 % of total (No late homework, drop two worst scores) |
| Quizzes: 50 % of total (No makeup quiz, drop one score) |
| Final Exam: 25 % of total |

Course Objective: To increase students' understanding of various types of mathematical functions: polynomials, rational functions, exponential functions, logarithmic functions, trigonometric functions and their inverses. Applications of these functions to practical problems are introduced as much as possible.

Course Outline (from 10/17/2000-12/7/2000):

- Week 1: Polynomials (Ch.3, section 3.1)
- Week 2: Rational functions and polynomial division (Ch.3, sections 3.2,3.5)
Quiz1: Thursday 10/26/2000
- Week 3: Exponential and logarithmic functions (Ch. 4, selected topics from 4.1,4.2,4.3)
- Week 4: Angles in degree and radians (Ch.6, section 6.1)
Quiz 2: Tuesday 11/14/2000
- Week 5: Trigonometric functions of right triangles and their inverses (Ch.6, section 6.2)
- Week 6: Trigonometric functions of real numbers (Ch.5, section 5.2 and 5.3)
Quiz 3: Thursday 11/30/2000
- Week 7: Review of topics
Final Exam: All topics from week1-7.

** All quizzes and exam are closed book. Calculator is allowed.