

MA110⁰² PRECALCULUS

Instructor: Edward J Reiser

Text Book: Mathematics For Calculus, Stewart-Redlin-Watson

Course Description:

Our goal is to cover the following material.

Section 1.8, 1.10. We will study; coordinate geometry and equations of lines.

Sections 2.1, 2.2, (2.4), 2.5-2.7. We will study, basic concepts and graphs of functions, extreme values of quadratic functions, algebraic combinations and compositions of functions, inverse functions.

Sections 3.1, 3.2, 3.5. We will study, polynomial functions and their graphs, finding real zeros of polynomials, graphs of rational functions.

Sections 5.1-5.4. We will develop trigonometric functions from the unit circle.

Sections 6.1-6.5. We will cover application of trigonometric functions to right triangles, and study the law of sines, and the law of cosines.

Sections 7.1-7.5. We will study, trigonometric identities, the trigonometric form of complex numbers, and vectors.

Quizzes:

There will be weekly (maybe daily) quizzes. The quizzes will be based on the lecture or the previous few lectures homework problems. The quiz will be held the last 15 minutes of class.

Homework:

Homework will be assigned and collected, just to make sure that it has been completed. The Quiz tests and Final questions will be based on homework problems.

Test:

There will be two tests. The dates for the test will be announced.

Final:

On the date given in the students schedule the final will be given

Grading:

Quizzes and Homework	25%
Test 1	20%
Test 2	20%
Final	35%

Grade Scale:

A = 90% or better, B = 80% to 90%, C = 70% to 80%,
D = 60% to 70%, D = less than 60 %