

ROSLYN HIGH SCHOOL

DEPARTMENT : MATHEMATICS

NAME OF COURSE: PRE-CALCULUS

GENERAL DESCRIPTION:

Precalculus is the course designed to help the students solidify their background in mathematics in order to prepare them for a first year Calculus course. Emphasis is placed on the unifying concepts of function theory. Students will be exposed to the power of the graphing calculator.

MAJOR TOPICS COVERED:

Number Systems

Absolute values & inequalities

Introduction to limits

Transcendental Functions

Complex numbers

Analysis of Functions

Analytic Geometry

Algebraic Functions

TEXTBOOK: Precalculus with Limits

REQUIREMENTS:

Students are expected to maintain a set of well organized notes in a mathematics notebook, complete daily homework assignments, and read selections from the text as assigned. Regular attendance is expected, and students are to make up work missed due to absences. Students should seek extra help during the school day in the mathematics study center or after school with the teacher when necessary. Appropriate behavior, respect for self and others, and participation in classroom activities are expected.

GRADING PROCEDURES:

The grade for each of the four marking periods is determined by unit exams, quizzes, and timely completion of homework assignments. Extra credit options are given at the discretion of the teacher. Quarterly examinations are given at the conclusion of each quarter that may be used to replace one low or missing test.