Fairfield Ludlowe High School - Fairfield Warde High School

PRECALCULUS 40

Insert Teacher Name | Insert Room Number

Insert Full Year/Semester | Insert Period

Insert Email Address

COURSE DESCRIPTION

This course is the extension of Algebra 32/31 and preparation for calculus in college. It consists of an intensive study of trigonometric functions and their applications. In addition, the course includes polynomial, rational, logarithmic and exponential functions. Precalculus 40 includes an introduction to regression analysis, polar coordinates, vectors and parametric equations.

COURSE OBJECTIVES

Students should:

- understand and describe patterns and functional relationships.
- represent and analyze quantitative relationships in a variety of ways.
- use operations, properties, and algebraic symbols to determine equivalence and solve problems.
- understand that a variety of numerical representations can be used to describe quantitative relationships.
- use numbers and their properties to compute flexibly and fluently, and to reasonably estimate measures and quantities.
- develop and apply units, systems, formulas and appropriate tools to estimate and measure.
- use spatial reasoning, location and geometric relationships to solve problems.
- collect, organize and display data using appropriate statistical and graphical methods.

UNITS OF STUDY

- Defining and Analyzing Functions and Relations
- Trigonometric Functions
- Polar Coordinates
- Polynomial, Rational, Exponential and Logarithmic Functions and Equations
- Statistics
- Vectors

COURSE POLICIES AND REQUIREMENTS

GRADING

Summative Assessments: Insert % Here (Minimum of 70%).
Insert Categories/Weighting (ie. Papers – 30%)

Formative Assessments: Insert % Here (Maximum of 30%).
Insert Categories/Weighting (ie. Quizzes – 50%)

Behavioral Characteristics: Insert % Here (Maximum of 10%)
Insert Categories/Weighting (ie. Particip. - 90%)

Insert Additional Grading Information Here

MATERIALS

Insert Course Materials Here (ie. Textbook, Binder, Calculator, Highlighters)

EXPECTATIONS OF STUDENTS

Insert Course Expectations Here

EXTRA HELP

Insert Course Expectations Here

Insert Additional Information Here