

Algebra II

Prerequisites: Algebra I

Level: 10th grade

Credits: 1.0 – Mathematics

Additional: This course is accepted as a math credit for h.s. graduation
This course is accepted as a math credit for college admission
This course is accepted as a math credit by the NCAA

Course Description

This course will consist of the mathematical concepts a student will learn in the subject area of Algebra II.

Course Outline

Chapter 1	Modeling and Predicting
Chapter 2	Real Numbers, Equations, and Inequalities
Chapter 3	Functions and Graphs
Chapter 4	Systems of Linear Equations
Chapter 5	Polynomials and Factoring
Chapter 6	Quadratic Functions and Equations
Chapter 7	Inequalities
Chapter 8	Exponents and Radicals
Chapter 9	Exponential and Logarithmic Functions
Chapter 10	Polynomials Functions
Chapter 11	Rational Expressions and Equations
Chapter 12	Conic Sections
Chapter 14	Probability and Statistics
Chapter 15	Trigonometric Functions

Teaching Methods

In this class we will use a combination of lecture notes along with in-class activities to provide the students with the best opportunity to learn the material.

Assessment

The course assessments will be in the form of homework, quizzes, and tests. All of which will be followed by an end of semester final exam. Each one of these assessments will accurately measure a student's understanding of the lesson objectives.

Texts

We will be using the Pearson Algebra II books and adhering to the common core mathematics standards.