Algebra Transitions

Prerequisites: Algebra II
Level: 12th 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	Review of the Real Number System
Chapter 2	Linear Equations, Inequalities, and Applications
Chapter 3	Graphs, Linear Equations, and Functions
Chapter 4	Systems of Linear Equations
Chapter 5	Exponents, Polynomials, and Polynomial Functions
Chapter 6	Factoring
Chapter 7	Rational Expressions and Functions
Chapter 8	Roots Radicals, and Root Functions
Chapter 9	Quadratic Equations, Inequalities, and Functions
Chapter 10	Inverse, Exponential, and Logarithmic 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 Southwestern Mathematics Algebra 2 textbook and the lessons will be aligned with the PARCC standards.