

COURSE NUMBER:	604
COURSE TITLE:	Algebra II
COURSE LENGTH:	Year, Two Credits
PREREQUISITE:	Semester 1-Achieving a grade of a C- or better in second semester Geometry or instructor's approval Semester 2-Achieving a grade of C- or better in first semester or instructor's approval
GRADE LEVEL:	10, 11, or 12

COURSE DESCRIPTION:

Algebra II includes a review of Algebra I skills with emphasis on solving open sentences. This course is strongly recommended for any college-bound student. Topics studied include equations and inequalities, linear relations and functions, systems, matrices, polynomials, irrational and complex numbers, quadratic equations, quadratic relations and functions, and polynomial functions.

COURSE RATIONALE:

This course is important for any college bound student, and for trade and technical school bound students since algebra is the foundation for the mathematics required in many fields of study in today's technical society.

METHOD OF INSTRUCTION:

This class is basically a lecture/discussion type of course, with student participation encouraged.

ASSESSMENT:

Grades will be determined from the results of quizzes, tests, and daily assignments.

CRITICAL OBJECTIVES:

1. Learn to understand and appreciate algebra as a study of the structure of the systems of real and complex numbers
2. Learn to acquire facility in applying algebraic concepts and skills to real life word problems and problem solving(HOTS)
3. Learn to comprehend the concept of function and it's importance to mathematics
4. Learn to perceive the role of deductive reasoning in factoring, solving equations, and solving inequalities
5. Learn to use a graphing calculator as a tool for problem solving (Tech)
6. Improve and maintain previous mathematical skills
7. Be prepared for future studies in mathematics. (Career)
8. Learn the proper conduct needed for our classroom so everyone can achieve up to their abilities..(Soc.Sk)

