

CAPITAL HIGH SCHOOL

Algebra 2

Course Syllabus

INSTRUCTOR: Mrs. Bruski Room 201
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MATERIALS: Big Ideas Algebra 2, Scientific Calculator or TI Graphing Calculator (actual or online)

Course Description: 3300 Algebra II (Jr-Sr) (1 Credit)

This is the third of the three-year sequence for all students and emphasizes a strong development of the ideas of Algebra 2. The course prepares students for algebraic thinking and refines geometric, statistical and problem solving skills. This course is required of all students that will be attending college. Students entering college in a technical field such as engineering, mathematics, sciences or economics should take this course their Junior year and take a fourth year of mathematics their senior year. Prerequisites: Successful completion of Geometry & recommendation of instructor.

Unit Descriptions: Possible Topics as found in Big Ideas Algebra 2
(More specific items can be found in the table of contents.)

1. Linear Functions
2. Quadratic Functions
3. Quadratic Functions and Complex Numbers
4. Polynomial Functions
5. Rational Exponents and Radical Functions
6. Exponential and Logarithmic Functions
7. Rational Functions
8. Sequences and Series
9. Trig Ratios and Functions
10. Probability
11. Data Analysis and Statistics

Grade Breakdown:

I use a Point System with ascending values for homework, quizzes, and tests. The students will also complete a number of projects/activities with various point values. Semester exams are worth 20% of semester grades.

Class Rules: The Bruin Basics (standard rules of Capital High) are posted in the classroom.

Grading Scale:

92 – 100 = A	78 – 79 = C+	59 AND BELOW = F
90 – 91 = A-	72 – 77 = C	
88 – 89 = B+	70 – 71 = C-	
82 – 87 = B	68 – 69 = D+	
80 – 81 = B-	62 – 67 = D	
	60 – 61 = D-	

