

## Algebra 2 Course Outline 2011/2012

This is the third course of the New York State mathematics curriculum. Mathematical concepts are extended in the areas of rational expressions, radical expressions, equations/inequalities dealing with absolute values, transformations, geometry, probability, and statistics. Also provided is the study of complex numbers, relations and functions including composition, inverse, exponential functions, logarithmic functions, and the six trigonometric functions. Graphing calculators will be used throughout the year. Students will take the Algebra 2/Trig Regents exam upon completion of this course.

There is a lot of information for this course available on my internet site. It can be accessed via the school website--teacher pages:

<http://www.goshenschoolsny.org/Schools/GHS/Websites/Math/RSanto/algebra2link.htm>

Daily homework, graph paper and worksheets are available there. In addition the textbook is online:

### Prerequisites

This course is designed for students who have successfully completed Geometry and the New York State Geometry regents exam. Students taking this course will take the Algebra 2/Trig Regents exam in June. Successful completion of this exam is part of the requirement for a New York State Advanced Regents diploma.

### Homework

Homework is posted online and assigned daily. It is due the day after it is assigned. It will be graded using the following scale:

2 points if complete/correct.

1 point if partially complete/correct.

0 points if not done or completely incorrect.

If homework arrives incomplete or conceptually incorrect, students are given the opportunity to complete their work, for half credit, before the start of new material.

### Calculators

Graphing calculator use is necessary for successful completion of this course. Students will be provided a graphing calculator for use in class. It is suggested that they invest in the Texas Instruments TI-84 graphing calculator for use outside of the classroom. Arrangements can be made for students unable to obtain an appropriate calculator.

## Grading

Tests and quizzes are given on a weekly basis. Graded work is computed as follows:

$$\text{Score attained/score possible}$$

At the end of the marking period the grade is computed as follows:

$$\% \text{ raw score} = \text{Total Score attained/Total Score possible}$$

Marking period grades will be weighted as follows:

15% Homework

85% Graded work

The final exam for the course is the New York State Algebra 2/Trig Regents exam. The final average for the course is a weighted, with the midterm and final counting each 10% of the final average and each marking period counting for 20% of the final average.

## Daily Expectations

Students are expected to:

--attend every class

--arrive on time

--arrive with the necessary tools

1 notebook

2 writing utensil

3 homework

4 text book

5 calculator \*\*\*see above section on calculators.

## Extra Help

In all, this will be an exciting, rewarding and very busy school year. There is a lot of material to cover. The pace of the course is invigorating. With that in mind, extra help is available after school from Tuesday through Friday, period 10. If necessary, other arrangements can be made to accommodate special situations.

## Questions, Comments or Concerns

Please do not hesitate to contact me with **any** questions, comments or concerns. The best method of contact is via email: **rsanto@gcsny.org**