

# Applied Algebra II

## Fall 2010

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**Jefferson High School Mission Statement:** All Students will graduate as fully functioning adults.

Your mathematics education will be an important part of fulfilling this goal as you:

- Learn to communicate mathematically
- Learn to use mathematics in his/her daily life
- Become proficient with the appropriate computational tools and techniques
- Learn to reason mathematically
- Become a mathematical problem solver

Student responsibility is an important component of learning at high levels and preparing for a successful life. A successful mathematics student is responsible for:

- completion of all course requirements in a timely manner,
- seeking help outside of regular class time, when necessary,
- making up missed work in a timely manner, and
- academic honesty.

**Text:** Algebra II with Prentice Hall; Prentice Hall

### Supplies:

LARGE three ring binder  
Plenty of paper: lined and graph  
Dividers  
Graphing Calculator (type approved for AP exam)

### Grade Distribution:

**Semester Work:** 85%

- Tests: 70%
- Daily: 30%

**Final Exam:** 15%

### Jefferson High School Grading Scale:

A 90 – 100  
B 80 – 89  
C 73 – 79  
D 70 – 72  
F Below 70

**Course Overview:** The Applied Algebra II course content includes an extension of algebra I topics, along with topics in: signed numbers, algebraic expressions, linear equations, systems of equations and inequalities, complex numbers, quadratic equations and their graphs, polynomials, polynomial functions and their graphs, exponential and logarithmic functions, radicals, factoring, rational expressions, complex numbers, and problem solving.

Your classroom experiences have been designed to revolve around those requirements.  
You will get out of the class exactly as much as you put into it.

**Supplemental Help:**

The teacher is available extra help most days before school from 7:00 am -7:45 am. Please check with the teacher for an appointment AS SOON AS you determine that you are having difficulties. The teacher is also available after school. Please check for availability as this varies from week to week.

**Make up Policy:**

All tests are announced at least two (2) days in advance. Every effort should be made to attend class on assessment days. All tests must be made up within five school days as per school policy. Missing grades for missed quizzes will be replaced with the grade from the next test.. Failure to make up the test within five days will result in a grade of zero (0) for the test and/or quiz.

**Academic Honesty:**

Cheating of any kind on any assignment may result in a grade of zero for that assignment, parental notification, and administrative referral. Cheating includes any attempt to defraud, deceive, or mislead the instructor in arriving at an honest grade assessment. Plagiarism is a form of cheating that involves presenting as one's own the ideas or work of another. Any breach of academic honesty may result in a zero for the assignment, discipline referral, and a request for a parent conference. Unless specifically authorized by the instructor, the following are examples of cheating. This is not an exhaustive list.

**A. On a test or quiz:**

1. Looking at or copying from another student's work.
2. Allowing another student to look at or copy your work.
3. Having a copy of the test before actually taking the test.
4. Discussing specific test items with students from a previous class period.
5. Sharing a calculator.
6. Communicating with anyone except the student's instructor.
7. Accessing unauthorized material, including student notes, printed material, or material accessed electronically.

**B. On homework or other out-of-class assignments:**

1. Copying work or answers from another student.
2. Having another person do the work for you.
3. Allowing another student to use your work as his or her own.
4. Presenting the work of another as your own (plagiarism).

**Student Responsibilities:**

All students are responsible for bringing their textbook, pencil, notebook, and calculator to class each day. All students deserve an opportunity to learn in an attentive educational environment. Disruptive behavior cannot be tolerated. Each student should respect the right of others to express a differing opinion.

**Tardiness:**

Students are allowed six (6) minutes between each class. Please be seated and ready to begin work when the bell rings. A student is considered tardy when s/he is not inside the classroom when the last tone sounds. There are no "free" tardies. All tardies will result in a referral for disciplinary action by the school administration.

\*\*\* The instructor reserves the right to make changes to the syllabus as deemed necessary.