

Algebra II

Instructor: Amy Witt
B.S. Mathematics, Belhaven College
M.S. Mathematics, University of Mississippi

Contact Info: 601-906-0933
Awittsend5@bellsouth.net

Class fees: The total fee for the class is \$400 or \$50 per month from August through April, plus the cost of the textbook. There is also a one time supply fee of \$15.

Required Textbook: We will continue to use the VideoText Interactive Algebra Complete Course program. DO NOT go out and purchase this entire curriculum. Please contact me directly so that I can advise as to which modules will be needed for the course.

Required Materials: Binder, loose leaf paper, graph paper, pencils, erasers, scientific (ACT approved) calculator - TI-30XIIS is the preferred calculator. If you already have a calculator, don't go buy a new one for the class, but if you don't have one, the one listed above is preferred.

Class Schedule: Tuesdays and Thursdays
9:30-10:30
FBC Fannin, 101 Church Rd., Brandon, MS 39047

Course Description: Algebra II provides a continued formal development of the algebraic skills and concepts necessary for students to succeed in advanced courses. This class will begin with a review of factoring techniques and then will proceed with the following topics:

- working with algebraic fractions
- working with radical expressions and equations
- working with complex numbers
- working with quadratic equations
- learning to graph parabolas, circles, ellipses, hyperbolas
- working with the standard and non-standard equation forms of conic sections
- working with exponential and logarithmic equations

Prerequisites: Students entering this course should have successfully completed Algebra I.

Evaluation: Homework assignments will be given at each class meeting. Some of these assignments may be taken up and graded. It is the student's responsibility to be sure that their homework assignments are completed before coming to class. I will go over homework questions for the first few minutes of each class meeting. Student grades will be based on graded homework assignments, quizzes, tests and class participation. Because we only have two 1 hour class meetings a week, most of our quizzes and tests will need to be taken at home in order to preserve as much time as possible for classroom instruction. Unless specifically stated otherwise, take home tests and quizzes will not be open notes or open book. A parent will need to administer the test or quiz to ensure that the student finishes in a timely manner. I will communicate to you how long each take home test/quiz should reasonably take. I do plan to have a few in class tests and quizzes. It is important that students learn to take timed tests in the classroom environment as they will be expected to do this as part of their college experience.

How to succeed: Algebra II is a foundational class for students as it will give the students the background they need for the remainder of their academic life. The concepts taught in Algebra II are necessary skills that will be needed for the remainder of the students' high school and college level math and science classes. It is very important that students stay on track and not get behind. These concepts will continually build on each other so it is vitally important that each student obtain a thorough understanding of each concept as we go. If you feel that your student is falling behind, contact me as soon as possible so that we can see that they get the extra help they need in order to be successful in the class. Also, a great online free resource is [khanacademy.org](https://www.khanacademy.org).