

**Course Title**

Algebra II

**Academic Year**

2022-2023

**Teacher Name**

Whitney McMullen

**Contact Information**

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**Description of Course** - Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. (Source: CPALMS.org)

**Units of Study**

- Unit 1 - Functions and Transformations
- Unit 2 - Quadratic Functions
- Unit 3 - Quadratic Equations and Complex Numbers
- Unit 4 - Polynomial Functions
- Unit 5 - Rational Exponents and Radical Functions
- Unit 6 - Exponential and Logarithmic Functions
- Unit 7 - Rational Functions
- Unit 8 - Probability

**Class Materials** - This information contains the materials that will be used throughout the year in this course. Students are expected to come to class prepared and ready to learn.

- Binder/notebook to keep notes and assignments organized
- Notebook paper and graph paper
- Pencils and extra erasers
- Scientific calculator (This is **required** to be successful in this class. The math department prefers TI-30XIIS or TI-30XS. Each student must have their own and bring it to class daily. If this is an issue, please speak with the teacher.)
- All class materials can be found on google classroom (student access only).

**Class Expectations** - FSUS students have a right to learn in a safe and respectful environment. All students will be expected to adhere to attendance and behavior expectations in our FSUS Code of Conduct. Please see our website for more information. Specific rules for this class are as follows:

- We show up on time and ready to learn.
- We treat others with respect.
- We work hard and do our best.
- We take risks and make mistakes.

**Classroom Policies and Procedures**

**Cell Phones** - Phone and other personal devices should be put away and out of site during class time. You must not photograph, audio, or video record adults or students at any time without their express consent.

**Grading** - Quarter grades will be calculated as follows: Assessments are 70% and Participation/Assignments are 30%. Extra credit may be offered throughout the quarter; it will not be offered at the end to “boost” grade. If a 70% or lower is earned on a test, the student has the option to retake. A “Request to Retest” form is due within two days of returning the test. To be eligible, the student cannot have any zeros or ones on participation/assignment scores. Quiz retakes will not be given unless an extreme circumstance. Students can log in to FOCUS to stay up-to-date on their performance in my class.

**Late Work** - The work I assign is designed to give you opportunities to practice the knowledge and skills we are learning and give me a better sense of your current proficiency in those areas so that I can adjust my instruction as needed. For these reasons, it is critical that you complete assignments on time. Any work not turned in at the time it is due (with the exception of absences) is considered late. ***Work is accepted for full credit until the assessment. Work turned in after the due date, unless submitted due to an excused absence, will receive a maximum score of 50%. Late work will not be accepted after the unit test.***

**Make-up Work** - Students who are not engaged in daily learning miss important lessons, collaboration, skills practice, and other activities that build a student’s knowledge and expertise in the content. Our school make-up policy is designed to support students to make up the learning they missed, including all missed assignments and assessments, so that they do not fall behind academically.

Students will have two (2) school days, not including the day of return, for each excused class day they are absent to make up missed learning and assignments. Previously assigned work is due the day of return.

Work that is missing due to an unexcused absence is considered “late work.”

Students that have received In-School Suspension, Out-of-School Suspension, or placed on Administrative Leave will be expected to work on assignments during the time of his/her absence. The student and family will work with FSUS Administration and faculty on a case-by-case basis to make sure that the student is receiving all classwork and assignments. Deadlines for completion will be given on a case by case basis.

## **Accommodations**

Your success in this class is important to me. If there are circumstances that may affect your performance in this class, please let me know as soon as possible so that we may work together to develop strategies for adapting assignments to meet both your needs and the requirements of the course.

## **Acknowledgement of Policies Form**

The signatures below indicate that the policies for my class have been read and understood by both the student and parent. It is the student’s responsibility to adhere to all classroom policies and to the policies listed in the Student Code of Conduct.

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*Student’s Signature*

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*Parent’s/Guardian’s Signature*