

Gateway STEM / Soldan High School
Learners Today, Leaders Tomorrow!



Advanced Algebra 350

Room 326 East

COURSE SYLLABUS
2025-2026

INSTRUCTOR: Ms. C. J. Tate

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PLANNING PERIOD: 5th Hour

PHONE: 314-776-3300

COURSE FRAMEWORK:

Advanced Algebra extends student's understanding of variables, algebraic expressions, equations, functions, inequalities, and their multiple representations. Additionally, students will be introduced to new concepts needed for college algebra topics such as logarithmic and trigonometric functions. Students will further develop their ability to explore and solve real-world application problems, demonstrate the appropriate use of graphing calculators, and communicate mathematical ideas clearly.

LEARNING OUTCOMES:

By the end of the course, students will:

- Relate arithmetic of rational expressions to arithmetic of rational numbers
- Expand understandings of functions and graphing to include trigonometric functions
- Synthesize and generalize functions and extend understanding of exponential functions of logarithmic functions
- Relate data display and summary statistics to probability and explore a variety of data collections methods

COURSE OUTLINE: (Subject to change)

First Semester

- Linear Functions and Systems
- Quadratic Functions and Equations
- Polynomial Functions
- Rational Functions

Second Semester

- Rational Exponents and Radical Functions
- Exponential and Logarithmic Functions
- Data Analysis and Statistics
- Probability
- Trigonometric Functions
- Trigonometric Equations and Identities

REQUIRED MATERIALS:

You will need to bring the following materials to class each day

- 3 ring binder with loose leaf paper OR spiral notebook and folder
- Pencils with eraser - Pen is **NOT** allowed

CLASSROOM EXPECTATIONS/POLICIES:

- 1) ***Be respectful.*** Be on time: when the bell rings and when turning in assignments. Respect the content we are learning, the materials we have in class, and above all, every person that comes and goes in room 326 East. Use thoughtful and academic language. Contribute to discussions in a meaningful manner. Any disrespectful language, discriminatory words, or behavior will **NOT** be tolerated.
- 2) ***Be prepared.*** Bring all materials to class that you will need. Be ready to start when the bell rings. This means be in your seat and working on the days 'Do Now'. Use the restroom during passing time so that you do not lose valuable class time.
- 3) ***Remain on task throughout the entire class time.*** Class time is from bell to bell. Students are expected to begin working when the initial class bell rings and end work when the dismissal bell rings. The **teacher**, **NOT** the bell dismisses each class.
- 4) ***Food and Drinks*** - Food is **NOT** allowed in the classroom. Drinks are allowed **ONLY** if in a bottle with a screw top lid.

GRADING POLICY/SCALE:

| Assignments | Descriptions | Value |
|-------------|---|---------------------|
| Formative | [Do Now, Classwork, Assignments, and Quizzes (?)] | = 40% |
| Summative | [Unit tests] | = 60% |
| | | TOTAL = 100% |

[Semester Finals will be 10% of your grade]

Grading Policy: Students will follow the grading scale issued by the district, which is as follows:

Grading Scale (issued by the district)

| | |
|----------|--|
| A—90-100 | The student's work is exemplary and is completed in a timely and independent manner. The work shows a high level of understanding or performance. |
| B—80-89 | The student's work is above average and has been completed in a timely and independent manner. The work shows a clear level of understanding or performance. |
| C—70-79 | The student's work is satisfactory and may or may not be completed in a timely/independent manner. |
| D—60-69 | The student's work barely meets requirements and work is not completed in a timely or independent manner. |
| F—0-59 | The student's work does not meet the minimum standards of understanding or performance or work is not the student's personal best. |

Parents may have internet access to their student's grades and assignments, upon Administrative approval at <https://sis.slps.org/SLPS/Default.aspx>

ACADEMIC INTEGRITY/ PLAGIARISM:

Academic dishonesty includes cheating, falsifying information, copying an assignment, submitting the same assignment for different classes without permission, and getting answers for tests from another student.

Plagiarism is defined as presenting as one's own the words, the work, or the opinions of someone else without proper acknowledgement. Students are expected to complete their own work. Plagiarism will result in a zero on the assignment and a referral.

If you choose to copy an assignment from another student or if you intentionally give another student your work to copy, all students involved will receive a "0" for that assignment and their guardians will be notified. If this happens a second time, we will have a meeting with your vice principal regarding your academic dishonest.

MISCELLANEOUS COURSE INFORMATION:

Electronic Device Policy

NO cell phone, headphone, earbuds, iPad or electronic device use allowed - **no** use and **no** charging!!! Only exception is if authorized by the teacher to enhance the curriculum being taught or at other time(s) when teacher deems allowable.

Homework

Student should expect to receive a homework assignment after **every section of the unit**. In order to be successful in Adv. Algebra, homework needs to be completed 100% of the time with 100% effort. Although you may not be able to complete each homework assignment with 100% accuracy, the expectation is that you make a noble attempt on every problem.

Turning in Assignments

All assignments must be completed and turned in by the next class period. NO late work will be accepted. If you are absent, then it is due on the day you return. **NO** exceptions.

Students will turn in their assignments to the assignment tray. Assignments should be clearly labeled with the student's name (first and last), date, hour, and unit.

Attendance

Being absent will seriously diminish your ability to learn. If you miss a day of new material, it will be difficult for you to catch up. If you miss a day, the material will be given to you after daily attendance is taken next class period. If you do not understand any of the material that you missed, it is **your** responsibility to get notes/help from a classmate or from me. Do not ask for this help while I am taking attendance, teaching new material, or in the middle of helping another student. Being absent is **not** a valid excuse for being unprepared for a test or quiz unless it is an extended or excused absence.

If you miss a day, you can make up your Do Now points by completing the Do Now for the day(s) missed and turning it in to the teacher or assignment tray no later than the end of the next class period. Participation points for day(s) missed **cannot** be made up.

Tardy to class

Student is tardy to class if they are not in their seat when the bell rings. The student then needs to obtain a pass from the attendance office to enter the classroom.

Class Organization

When you enter class, begin the Do Now, which will be posted on the board. The agenda for class is posted on the weekly calendar at the front of the room.

Hall Passes

Per school policy, this is a **NO** hall pass class. Make sure to use the restroom and take care of any other business before coming to class.

Unit Tests

Students that miss a test will have one week after the scheduled test day (before or after school, arranged ahead of time with Ms. Tate) to make up the test outside of class time before you receive a zero on that unit test.

Students with Disabilities

If you require accommodations for access and/or participation, please inform the instructor. This includes, but is not limited to, change of seat for vision/hearing reasons, larger type copies of assignments, and excuses for medical reasons.

***** HEALTH ISSUES *****

There will be **NO** spraying of perfumes, cologne, after-shave, or any other aerosol spray, or use of strong chemical smell lotion in the classroom or right before you enter the classroom. If this occurs, the student(s) responsible will be sent to their administrator and a report made.

Please sign and return the Student Contract/Parent Information form below

By signing, you acknowledge and agree you have read the course syllabus, understand the expectations stated within, and will follow these classroom procedures and expectations along with any additional expectations implemented for Ms. Tate's Algebra 350 class.

Student Signature

Date

Parent / Guardian Signature

PLEASE PRINT LEGIBLY

Student's Name

Parent / Guardian Name

Address

City

Zip

Home Phone

Parent Work Phone

Parent Cell Phone

Alternate Phone & Who It Is

Parent Email Address

Do not leave any line blank. If it does not apply, write N/A.

This completed form is your first assignment and worth 10 points.