

Honors Advanced Algebra

Honors Advanced Algebra is the culminating course in a sequence of three high school courses designed to ensure career and college readiness. It is designed to prepare students for fourth course options relevant to their career pursuits.

COURSE DESCRIPTION:

This course is designed as the third course in a three-course series. This course enhances students' geometric, algebraic, graphical, and probabilistic reasoning skills. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving geometry, trigonometry, algebra, probability, and statistics. Students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proofs, constructions, rigid motions and transformations, similarity, congruence, circles, right triangle trigonometry, geometric measurement, and conditional probability. The identified Prerequisite for this course is Geometry: Concepts & Connections.

COURSE GOALS: High school course content standards are listed by big ideas including Data and Statistical Reasoning, Probabilistic Reasoning, Functional and Graphical Reasoning, Patterning and Algebraic Reasoning, and Geometry Patterning and Spatial Reasoning. Below is a breakdown of this course by unit.

Unit 1 – Modeling Polynomial Functions

Unit 2 – Investigating Radical Functions

Unit 3 – Exponential and Logarithmic Functions

Unit 4 – Exploring Rational Functions

Unit 5 –Trigonometry and the Unit Circle

Unit 6 – Investigating Linear Algebra and Matrices

Unit 7 – Descriptive and Inferential Statistics

Unit 8 - Culminating Capstone Unit

GRADING SCALE:

A: 90 & above: Outstanding quality of work, on time, almost all problems worked out correctly

B: 80-89: Above average quality, on time, some mistakes in worked problems

C: 70-79: Average quality, on time, frequent mistakes in worked problems but concepts generally understood

SUPPLIES:

- 3-ring binder
- notebook paper, pencils
- Calculator -
 - Graphing Calculators – TI84-Plus Texas Instruments- are encouraged, but a ***class set will be available to use during class time.***

COURSE ASSESSMENT:

Nine Weeks Grade = 60% (Tests/Projects) + 40% (Formative Checkpoints/Other)

1st Semester Grade = (1st 9 weeks + 2nd 9 weeks) ÷ 2 x 80% + Semester Exam x 20%

2nd Semester Grade = (3rd 9 weeks + 4th 9 weeks) ÷ 2 x 80% + Semester Exam x 20%

Exam Exemptions

A final exam worth **20% of the semester average** will be administered for every high school course except Study Hall/Study Skills. Exams are given during the last few days of each semester. The specific exam schedule will be shared with students and parents at the beginning of each semester.

Students who meet the following eligibility criteria may elect to exempt the spring semester exam in any non-tested* high school course (*qualifying seniors may elect to exempt both fall and spring semesters*):

- Semester average of 85 or above in the course
- 5 or fewer excused absences - no unexcused absences
- No more than one disciplinary offense resulting in ISS
- No disciplinary offense resulting in out of school suspension - no OSS

Students may elect to take a semester exam in an effort to improve their grade in a course, even if they are eligible to be exempt. An exam that is taken for this purpose will not count against the student.

**Semester exams cannot be exempted for courses with an associated Ga Milestones End of Course Assessment, Advanced Placement Exam, or End of Pathway Assessment. Final exams in dual enrollment courses are under the jurisdiction of the post-secondary institution and are not eligible for exemption through Lee County High School.*

Students will only be permitted to make up a missed exam if the **absence is approved in advance by the school principal** (*requests must be submitted in writing at least one week before the exam*) or if the exam is **missed due to a last minute reason that would constitute an excused absence**. In instances where a student is eligible to make up a missed exam, the student must attend school to take the exam on the following teacher workday. See below for specific details:

- **1st Semester Make Up Day:** Tuesday, January 5, 2027 at 8:00 AM
- **2nd Semester Make Up Day for Underclassmen:** Thursday, May 27, 2027 at 8:00 AM
- **2nd Semester Make Up Day for Seniors:** Thursday, May 20, 2027 @ 8:00 AM

Note: Senior exams are scheduled earlier than exams for underclassmen due to graduation.

TECHNOLOGY:

- **No cell phones or ear devices (headphones, earbuds, earpods, etc.)**

Classroom Expectations

- All students are expected to read and abide by the rules listed in the student handbook – Code of Conduct, Behavior Code, Dress Code, and Discipline Procedures.
- Students are expected to comply with basic school protocol such as being prepared and on time for class, maintaining an appropriate noise level, and cleaning up behind oneself.
- No sleeping, eating, drinking, or inappropriate language.
- All assignments are expected to be turned in on time.
- If you are absent, **MAKE-UP WORK IS YOUR RESPONSIBILITY!** You will need to copy all the class notes from a friend. If you miss a test, **see the teacher to make arrangements.**
- Any student who is **NI (non-instructional)** due to a field trip or extra-curricular activity is required to see the teacher **ahead** of time – not after.
- Be respectful at **all** times to **all** persons and **all** property.
- Give 100% effort daily!!! You will only get as much as you give.
- Substitute teachers are considered guests in our classroom and will be treated with the utmost respect. Any misbehavior while a guest is in our room will result in disciplinary action.
- Students are expected to be on time to class with all of their supplies.

Academic Integrity

Students are expected to submit original work, give proper credit for the ideas and contributions of others, adhere to copyright guidelines, and avoid plagiarism in all forms. The use of unauthorized technology or resources in a testing environment is strictly prohibited. Instances of cheating, plagiarism, or falsification of work will be addressed in accordance with the Lee County School System Student Code of Conduct and may result in academic and/or disciplinary consequences.