

# EAGLES LANDING HIGH SCHOOL PRE-CALCULUS

## COURSE DESCRIPTION

Pre-Calculus is a course designed to prepare students with the fundamental skills for Calculus. Students should be motivated and possess excellent study habits as well as a talent in mathematics to properly succeed. It is essential that each student works hard in order to fully understand and master all of the concepts presented. The textbook is utilized as a resource for homework/practice problems. The tests will be made to test the student's understanding of the material and will not come directly from the text. Below you will find the general guideline for the course. The time allotted for each topic is approximate only. Students will be encouraged to communicate to us which standards they are having trouble with.

### Classwork & Assignments

We will give short quizzes to help ensure that students are mastering the standards contained in Precalculus. We will do a variety of activities in Pre-Calculus that are designed to help students with multiple aspects of mathematics. We will work individually with students, in small groups, and every day they will be helping each other achieve success.

### Attitude

Having a good attitude and being willing to "try out" problems is probably the most important characteristic of a successful mathematics student. The teacher is there for the students to help them in any possible way. We need the students to take advantage of what the course precalculus offers them, and to be willing to cooperate and work with their peers and the teacher.

### MATERIALS

Each student will need a notebook, supply of pencils, paper, and graphing calculator. We will primarily be using the TI-Inspire Calculators in this course.

### ATTENDANCE

Students need to participate in the daily activity of the classroom in order to properly succeed; therefore, it is VERY important to be in class every day. After an absence, each student will be responsible for getting any work missed when he/she returns.

### ADDITIONAL CLASS RULES

- 1) Bring math notebook, pencil, and paper every day.
- 2) Keep the classroom and desks clean. (Pick up trash around you)
- 3) Respect is an absolute must:
  - no interfering with learning or teaching
  - no profanity or verbal abuse

Consequences:

1 <sup>st</sup> offense:	Verbal warning
2 <sup>nd</sup> offense:	Teacher detention or other appropriate action
3 <sup>rd</sup> offense:	Referral to office

Note: More serious problems such as fighting, threatening behavior, and defiance will result in immediate referral to the office.

### NOTEBOOK

Each student is encouraged to keep a notebook containing all notes and examples from class in an orderly fashion. This helps with organization of work and makes reviewing/studying easier.

## HOMEWORK

Homework will be assigned on a regular basis and should be worked on **NIGHTLY** and is expected to be 100% completed with sufficient work shown. Assignments will be assessed in a variety of ways. The student is responsible for making up work missed due to absences as laid out by the county handbook. **NO LATE WORK ACCEPTED.**

## EXTRA HELP

I will be glad to assist any student with questions or problems before school at 7:45am or after school until 4pm. I am very available for help and students should check with me to let me know they are coming. If you have any questions or comments at any time, please feel free to contact me anytime by phone, written message, or email.

## Technology

The purpose of the new electronic device policy is to make sure that there is no distraction to the learning environment and that every student can be completely focused on academic achievement.

If a student is in possession of any electronic devices (smartphone, tablet, etc.), then those devices must be placed in an assigned pocket of a classroom phone caddy during every class period including instructional focus. If you have more than one device, (ex: multiple smartphones, and/or tablets), then both items must be placed in the assigned pocket. Students will be allowed to use their devices in the morning in the commons area before first period, between class changes, and during lunches (as long as they are not speaking on the phone or playing music that others can hear).

Please note that failure to comply with this expectation will result in a discipline referral and appropriate consequences will be given. Also, ELHS is not responsible for lost or stolen electronic devices. Students are encouraged to leave "non-instructional" personal items at home. The school-issued Chromebooks are the only electronic devices that are needed in the instructional setting.

<u>TOPIC</u>	<u>TIME</u>
Introduction to Trigonometry (Unit 1)	5 weeks
Trigonometric Functions (Unit 2)	4 weeks
Trigonometry of General Triangles (Unit 3)	3 weeks
Trigonometric Identities (Unit 4)	4 weeks
Matrices (Unit 5)	3 weeks
Conics (Unit 6)	3 weeks
Vectors (Unit 7)	4 weeks
Probability (Unit 8)	4 weeks

GRADING: \*\*\*Grades are cumulative for the entire year.

Formative/Summative Assessments: 80%

Final Exam: 20%

County website: [www.henry.k12.ga.us/](http://www.henry.k12.ga.us/)

School website: [www.henry.k12.ga.us/elh](http://www.henry.k12.ga.us/elh)

**Instructor: Mr. Ferrell.** terry.ferrell@henry.k12.ga.us