

Honors Pre-Calculus Course Syllabus

Teacher: Mrs. Alabaku

Room: 125

E-mail: kalabaku@winthrop.k12.ma.us

Course Description

Through this course, students will acquire a solid foundation in algebra and trigonometry. Emphasis is placed on understanding the properties of linear, polynomial, piecewise, exponential, logarithmic and trigonometric functions. Students will learn to work with various types of functions in symbolic, graphical, numerical and verbal form.

Required Materials

- Notebook
- Binder
- Lined/Graph paper
- Writing utensil (preferably pencil)
- Graphing Calculator

All the required materials are expected to be brought to class EVERY scheduled Pre-Calculus period.

Assessments

Tests and quizzes will be given periodically throughout the year. There will be a review day prior to most assessments.

Homework

Homework is a tool to help all students practice the skills they learned in class in a more independent setting. Homework is expected to be completed to the best of the student's abilities. All homework assignments will be posted on Google Classroom. For some assignments students will be required to show work on paper and some other assignments will be completed electronically via DeltaMath, Quizizz and Google Forms.

Remote Attendance/Participation

- Students are required to log in to our Zoom class within the **first 5 minutes** of class. Failure to do so will result in being marked absent.
- Log in to your Zoom class using your full (first and last) name.
- Students are **required** to have their cameras on during class. They need to adhere to all WHS dress codes and conduct expectations. This includes making sure virtual backgrounds are appropriate. Students may use a school-provided standard background.
- Students will be regularly asked to respond to questions during live lectures. Different platform such as, Quizizz, Google Slides and Polls, will be used to maximize student participation and engagement during live lectures.

Make-up and Late Assignments

Students are expected to maintain a high level of attendance at Winthrop High School (Please refer to the Students Handbook). Assignments and assessments that are missed due to absences from class are expected to be made up. You will have up to three days to complete and hand in missing assignments. Any assignments not made up will result in a zero.

Extra Help

I am available after school until 3:00, but can stay later if necessary. Just make arrangements with me so I know that the student/parent is coming. I also can be reached via email at kalabaku@winthrop.k12.ma.us.

Grading

- Assessments (Quizzes/Tests) ----- 50 - 60 points *
- Homework ----- 5 points *
- Classwork ----- 10 points *

Quarter Grade = Points Earned / Points Possible

**** Points subject to change.***

Topics

- Review of Algebra 2 - Quadratic Functions
- Complex Numbers System
- Functions
- Polynomial Functions
- Conic Sections and Coordinate Geometry
- Right and Non-Right Triangle Trigonometry
- Vectors and Polar Coordinates
- Trigonometric Functions
- Probability and Combinatorics
- Statistics
- Rational Functions and Limits

Student's Signature _____

Parent/Gardian's Signature _____