

Honors Pre-Calculus Course Syllabus

Teacher: Mrs. Alabaku

Room: 125

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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. Written homework will be collected at the start of the next class day unless otherwise noted. Homework is expected to be completed to the best of the student's abilities with their name and the assignment clearly written on the top of each new page. Any homework not clearly labeled may result in the student not getting credit for the assignment. There will usually be a short period of time at the start of each class to review the previous nights homework assignment. Some homework assignments will be graded for content and some for completion.

Attendance/Participation

Students are expected to come to class every day with the required materials. Class work, will consist of note taking, bookwork, open discussions, and group/individual projects. Students are expected to participate in every dynamic of the class. Some work will be collected for grading and some will be used to help students facilitate their own understanding of the material.

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.

Classroom Rules

- Arrive to class on time and prepared to work.
- No food or drinks in the classroom.
- Cell phones and any other electronic devices must be turned off and invisible during the class period. If I see or hear your phone, it will be taken away.
- Please respect the teacher, classmates, yourselves, and the classroom materials.
- Stay seated at all times unless instructed or given permission to do otherwise.
- Be attentive and quiet when either the teacher or another student is speaking.

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

- Chapter Tests ----- 100 points*
- Quizzes ----- 50 points*
- Homework ----- 5 points (if graded for completion); 10 points (if graded for content)
- Classwork ----- 10 points
- Participation/Behavior ----- 20 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-RightTriangle Trigonometry
- Vectors and Polar Coordinates
- Trigonometric Functions
- Probability and Combinatorics
- Statistics
- Rational Functions and Limits

Student's Signature _____

Parent/Gardian's Signature _____