

Homestead High School – Mathematics Department – Course Information Sheet 2020 – 21

Course Title: Precalculus Honors

Course Instructors: Niloo Vakili, Andrea Westgate

Textbooks:

- Calculus I with Precalculus; ISBN: 978-1-1115-7679-0

Course Objectives:

This course is designed to integrate Precalculus and Calculus topics.

Semester 1 Units:

- Prerequisites
- Functions and Their Graphs
- Polynomial and Rational Functions
- Conic Sections
- Limits and Their Properties
- Differentiation
- Applications of Differentiation

Semester 2 Units:

- Trigonometric Functions & Analytic Trigonometry*
- Derivatives of Trigonometric Functions*
- Additional Topics in Trigonometry*
- Topics in Analytic Geometry
- Exponential and Logarithmic Functions
- Derivatives of Exponential and Logarithmic Functions
- Sequences, Series, and Mathematical Induction

**Trigonometry Distance Learning Gap Closure Included*

Academic Honesty:

- Students are expected to demonstrate a high degree of integrity and adhere to the FUHSD Academic Honesty Policy.
- Work turned in for credit should be the students own original work.
- Sharing or receiving information about any assessment prior to all students' completion is a serious offense.
- Using unauthorized aides, will be considered a serious offense.
- Any act of cheating will be treated as serious and all students involved will receive **no credit** on the assessment/assignment.

Grading Information:

Grade Weighting (same categories used in Schoology):

- Tests: 55%
- Final Exam: 25%
- Assignments: 20%

Grading Scale:

- A = 90–100%
- B = 80–89%
- C = 70–79%
- D = 60–69%
- F = below 60%

Grade Reporting:

- All grades will be posted via Schoology.
- Grades will be updated every two weeks.

Assessment:

- All tests and final exams are developed collaboratively by the team of Precalculus Honors teachers.
- There are no opportunities for retaking tests or the final exam.

Homework:

- Assigned each period.
- All work must be shown to receive credit.
- Designed to reinforce concepts learned in class.

Late Work / Make Ups:

- Assignments due per homework policy for excused absences.
- Late work for partial credit accepted up until the day of the exam.
- Make-Up Assessments: Students must see or email their teacher to make arrangements no later than the day they return to school.
- There are no opportunities to retake unit exams or the final exam.

Extra Credit:

- Extra credit is not offered in the Precalculus Honors course.

Homestead High Prepares Students to be: • Communicators • Critical Thinkers • Continuous Learners • Collaborators •