

2016-2017 RRHS Pre-AP Precalculus Class Syllabus

Course Goals & Objectives

Precalculus is the study of advanced functions, trigonometry, analytic geometry and data analysis in preparation for calculus and higher level courses. The course will require students to apply these skills to solve real world situations, communicate solving strategies, and interpret results using mathematical language in a collaborative environment.

Grading Policy

- Percentages
 - 50% - Summative
 - 30% - Quizzes (weekly)
 - 20% - Daily (Homework, Class work, Knowledge Checks)

- Summative (50% of 6-week Average)
 - There will be a minimum of 2 summative assessments (tests) per grading period.
 - Summative Assessment retakes:
 - If you receive a grade less than 70% on a major grade you have 5 school days (from the day the assignment is either posted in the gradebook or handed back for review***) to complete a retake.
 - If you make between a 60 and 69, you must come in and correct your test during tutorials. Tests may not leave the classroom.
 - If you make below a 60:
 - You must first come in for tutorials and to complete test corrections. If the corrections are not complete after your first session, you must come to additional tutorial times to complete the corrections before taking the retest.
 - After your corrections are completed to teacher satisfaction, you will then take a retest.
 - Additional Information
 - Students missing tests for school events **must** make arrangements for taking the test **before** leaving school.
 - Test will be handed back for review, but will then be collected and kept in the classroom
 - Corrections and retests cannot be done during the same tutorial period.
 - Cheating on a test will result in an office referral, parent contact, and documentation. Students will be required to come in to take a retest to demonstrate their knowledge of the tested material. A student caught cheating may only take the test for a maximum grade up to a 60. This is district policy!

- Quiz Grades (30% of 6-week Average)
 - There will be a minimum of 2 quizzes per grading period.
 - If you receive a grade less than a 70% you will have the option to complete quiz corrections at home or during tutorials and then come in to take a re-quiz.

- Daily Grades (20% of 6-week Average)
 - Minor grades can consist of class work, homework, notebooks/spirals, Knowledge (Learning) Checks and anything else deemed that shows a student's level of mastery.
 - Most homework assignments will be available to be completed through the online textbook system.
 - Knowledge (Learning) Checks will align to specific Homework Assignments and Class Material.
 - In-Class Assignments are given to the students with the understanding that the students will finish the assignment before leaving class.
 - Minor grades are not eligible for corrections/redo/retakes. Refer back Late Work Policy for minor assignments that are not turned in on the due date.

- Daily Grades (20% of 6-week Average) - Continued
 - Students missing class(s) for school events must make arrangements for picking up any missed material/notes/assignments *before* leaving school.
 - Students missing class(s) for sickness or other exterminating circumstance must make arrangements for picking up any missed material/notes/assignments on the *day of returning* to school.
 - Students will have 3 school days from their return the work to complete and turn it in.

 - Late Work
 - Class work is due at the end of the period unless stated otherwise by the teacher
 - Paper homework is due upon entering the class room on the due date unless stated otherwise by the teacher
 - Electronic homework is due by 4 pm on the assigned due date. Even if you are absent it is still the responsibility of the student to complete the electronic homework by this date unless a valid medical excuse is provided.
 - Late Work:
 - Grading will begin at a 70%
 - Late work will not be taken after its corresponding unit test has been given.
 - Any missing quiz or test must be made up with in 5 school days from the original date of the quiz or test.

 - Final Exams (16% of Semester Average)
 - Final exams will cover all material covered up to that point.
 - Fall exams will take place from December 15-19
 - Spring exams will take place from June 1-4
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Electronics and Books

- RRHS is a BYOD (Bring Your Own Device) Campus, along with being a participant of the RRISD Laptop Incentives for Freshman and Sophomores.
- If you have been assigned a laptop by the school, it is expected that it comes to class charged every day.
- Each teacher will have an electronic usage policy.
- Calculators
 - Each student will be assigned either a TI83 or TI84 calculator to be used within the classroom
 - Graphing Calculators are also available to be checked out in the bookroom, but it is first come-first serve
 - You may also purchase one from any local store that sells electronics (*recommended)
 - These calculators will be used in all high school math course and some additional subject areas like science and engineering. They are also very useful in college courses.
 - You can also download an online TI84 calculator emulator onto your personal computer.
 - Additional policies may be included in individual teacher classroom policies
- Books
 - Each student will be assigned both a hardcopy and online version of the textbook.
 - We will be visiting the bookroom as a class during the first two weeks of school. Please make sure to have your school ID available.
 - If you are absent or unable to check your book out during the scheduled class time, please make sure you have done so by the end of the second week of school.
 - To access the online textbook and online homework, follow the instructions on our web-site.

Tutorials

- Each Pre-AP Precalculus teacher will have their own weekly tutorial schedule.
- If you are unable to attend your teachers tutorials, then there are two options:
 - 1st option: adhere to the Pre-AP Precal common tutorial schedule below
 - 2nd option: please see if another Pre-AP Precal teacher is available

The Pre-AP Precalculus teachers have a common tutoring schedule. For help on a topic or assignment please see the appropriate teacher for the day and time.

Tutorial Schedule:

	Monday	Tuesday	Wednesday	Thursday	Friday
8:15 - 8:55	deCastongrene (630) Kutz (2407) Sanders (2411)	Aguilera (628) Gerds(624) Kutz (2407)	Gerds(624) Kutz (2407) Sanders (2411)	Aguilera (628) deCastongrene (630) Gerds(624)	Aguilera (628) deCastongrene (630) Gerds(624) Sanders (2411)
4:15 - 4:55	Sanders (2411) deCastongrene (630)	Aguilera (628) Sanders (2411)	deCastongrene (630) Aguilera (628)	Kutz (2407)	X

These tutorial times are subject to change. Please see your teacher for the current duty roster and faculty meetings as we will not be available on those mornings for tutoring. Please let your teacher know if you are planning to attend ahead of time in case of meetings or prior engagements.

Topics Covered:

First Semester:

- Critical Attributes of Advanced Functions
- Polynomial Functions
- Rational Functions
- Trigonometric Ratios and Angles
- Laws of Sine, Laws of Cosine, and Area
- Angular and Linear Velocity
- Graphing Sine, Cosine, and Tangent

Second Semester:

- Trigonometric Expression, Identities, and Equations
- Vectors
- Polar Equations
- Parametric Functions
- Conics
- Exponential and Logarithmic Functions and the Number e
- Sequences and Series
- Introduction to Limits

While the timing of the topics may change, the list will not. Your textbook contains explanations and additional practice problems for all topics. You are encouraged to preview topics before they are covered to increase your in class learning experience.