



Mission: *To offer inspiration through advanced instruction and authentic experiences.*

Instructor: Devidas M.S (Math)., M.Ed.

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Pre-Calculus / Honors Pre-Calculus / AP Pre-Calculus

Precalculus is a fourth-year math option for students who have completed Advanced Algebra (or the equivalent). The course provides students with the opportunity to develop a deeper understanding of concepts in Algebra that are critical to the study of Calculus as well as an understanding of trigonometry and its applications. Throughout the course there should be a focus on notational fluency and the use of multiple representations.

Course Objectives

AAS associates will

- Analyze the behaviors of rational and piecewise functions to model contextual mathematical problems
- Utilize trigonometric expressions to solve problems and model periodic phenomena with trigonometric functions.
- Manipulate, prove, and apply trigonometric identities and equations to solve contextual mathematical problems.
- Analyze the behaviors of conic sections and polar equations to model contextual mathematical problems.
- Represent and model vector quantities to solve problems in contextual situations.
- Demonstrate how sequences and series apply to mathematical models in real-life situations.

Required Supplies
<ul style="list-style-type: none"> ● Fully charged Chromebook ● Chromebook charger ● 3-ring binder ● Notebook paper ● Graph paper ● Pencils ● Colored Pencils ● Graphing calculator (<i>Suggested: TI-84 Plus CE</i>)

Expectations for Academic Success

- BE ON TIME – give yourself ample time to arrive in class and arrange your belongings.
- BE PREPARED – always arrive with assignments and supplies readily available.
- BE INVOLVED – participate in class discussions and try all practice problems.
- BE RESPECTFUL – speak kindly, listen to others, and debate professionally.
- BE UNDISTRACTED - ensure electronics are away and earbuds are out during class

Dress and speak for success! Please follow all dress code regulations and refrain from using profanity or inappropriate language.

Grade Calculation

Summative Assessments = 40%	Formative Assessments = 40%
Authentic learning projects, exams, presentations, and unit assessments	Practice Work: classwork, quick checks, ticket out the doors, participation and work completion grades.
Culminating Final Exam/Project	
All courses will have a culminating exam or project that assesses associate learning of the semester's course content. This exam/project will be 20% of the overall course grade. There will not be any exemptions from the final exam/project.	

Make-up Work

The associate will have the same number of days that they are absent to complete the make-up work. Assignments, notes, and instructions are updated in Google Classroom.

Associates are responsible for checking on those assignments and asking for clarification when necessary. Hard copies will also be available in the classroom for some assignments.

Late Work Policy

Work is considered late after the due date. Late work can be submitted with a possible 10% (one day late) and 20% (2 days late) deduction. **After the unit assessment has been administered, no more work from that unit will be accepted.**



Please read the statement below and sign the appropriate lines within and at the bottom of the page.

I _____ (associate/student name) certify that I have read and understood the syllabus in its entirety and understand the requirements stated within. I agree with all the policies stated within.

If you agree with the above statement, sign, and date in the appropriate line below.

Associate signature: _____

Date: _____

Parent signature: _____

Date: _____

Let's make this a great year!
Devidas