

Course Syllabus Report



MA9090 PreCalc/Trig 1-2

Meets Graduation Requirements: Yes

Details

Description

Precalculus combines reviews of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. The first semester includes linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions; systems of equations; and conic sections. This course supports all students as they develop computational fluency, deepen conceptual understanding, and apply Common Core's eight mathematical practice skills. Students begin each lesson by discovering new concepts through guided instruction, and then confirm their understanding in an interactive, feedback-rich environment. Modeling activities equip students with tools for analyzing a variety of real-world scenarios and mathematical ideas. Journaling activities allow students to reason abstractly and quantitatively, construct arguments, critique reasoning, and communicate precisely. Performance tasks prepare students to synthesize their knowledge in novel, real-world scenarios and require that they make sense of multifaceted problems and persevere in solving them. Throughout the course students are evaluated through a diversity of assessments specifically designed to prepare them for the content, form, and depth of the Common Core assessments. This course is aligned with the Common Core State Standards for Mathematics

Ale Course Essential Learnings:

Students will develop computational fluency, deepen conceptual understanding, and apply Common Core's eight mathematical practice skills.

Default Ale Certificated Teacher: Kim Franett Fergus

Ale Course is Active: 1

Ale Course is Parent Template: 0

State Course Codes:MAT110 (Pre-Calculus)

Ale Course Type:NCAA Approved

State Subject Area:Mathematics

SIS Course Code: MA909O

Ale Course Grading Scale: Official Grades are accessed through StudentVUE/ParentVUE A 3.50-4.00 B 2.75-3.49 C 2.00-2.74 F 1.99 or below

Ale Course Available Credits: .5 credit

Ale Course Prerequisites: Algebra 1, Algebra 2, Geometry, and Pre-Calculus Sem 1

Ale Course Texts:

Ale Course Additional Resources:

Instructional Materials needed: Internet access, computer, printer, printer paper and ink, modern OS/ software/web browser, headphones with microphone- if not built into the computer

Average Number Of Hours Of Study Per Week: 5.00

Syllabus

Ale Course Syllabus:

CEDARS course code 02110

Objectives

Ale Course Objectives:

Students will develop computational fluency, deepen conceptual understanding, and apply Common Core's eight mathematical practice skills.

Ale Course Standards:

Course is aligned with current Federal Way Public Schools Priority Standards and Washington state standards.

Ale Course Learning Requirements:

Weekly Work Completion: Scholars will submit original work in all classes each week.

Original Work Submissions: Scholars will only submit their original work. If a scholar uses outside sources in the creation of their original work, citations must be present in the format requested by their

teacher.

Weekly Communication: Scholars will communicate weekly with their teachers regarding their academic progress.

Functioning Technology/Required Materials: Scholars will always have constant and consistent access to the functioning hardware, software, technology, and required materials necessary to complete their coursework in all classes.

Academic Integrity: Academic integrity is essential to learning. scholars are expected to complete their own work. Copying, plagiarizing, cheating, or other methods of intentional deception are prohibited and could result in the scholar's removal from the class or iA entirely.

IA Policy 1st Offense: The scholar will be contacted by the teacher via phone call, the scholar will be made aware of the plagiarism and examples of how this can be avoided will be discussed. Direct instruction on plagiarism will be delivered by the teacher. iA Administration and other teachers will be made aware of the plagiarism. The work must be redone without plagiarism.
2nd Offense: The scholar and parents will be contacted by the teacher directly and the scholar will have to complete the plagiarized assignment without plagiarism before moving on in the course. iA Administration will be made aware.
3rd Offense: The scholar will be withdrawn from the course or iA depending on the severity and/or frequency of the plagiarism.

WAC (Weekly Academic Contact): State regulations require scholars in online programs to have weekly academic contact with each teacher. This occurs by engaging with the curriculum and online instruction, submitting assignments to make progress in learning, and successfully completing courses. Scholars have multiple opportunities and methods to achieve weekly academic contact and receive teacher assistance and feedback: email, message, live online sessions, assignments, phone, and/or face-to-face meetings by appointment when applicable and in accordance with social distancing guidelines. In accordance with new state law the iA Weekly Academic Contact policies are changing. To ensure the success of all iA scholars, Weekly Academic Contact is required to remain enrolled at iA.

1st week missed WAC= Notification of missed WAC that informs scholars and parents of the consequences of additional missed WAC.
(Step 1)

2nd consecutive or 3rd cumulative week of missed WAC= The scholar and parent must conference with a designee to discuss the missed contact, administer a "screener", and develop a data-based interventions plan. (Step 2)

5th consecutive OR 6 cumulative of missed WAC= BECCA petition will

be filed. (Step 3)

Ale Course Academic Goals:

Activities

Ale Course Learning Activities:

Activity Selections

- Text Books and/or Work Books.
- Activities.

Evaluation

Ale Course Evaluation Methods:

MPR

(Monthly Progress Review)

Each month teachers decide whether a scholar is making Satisfactory or Unsatisfactory progress in each course. Then the homeroom/advisory teacher will determine if scholar is overall Satisfactory or Unsatisfactory for the month.

Secondary (6-12) - to be overall SATISFACTORY for the month, a scholar must be passing half or more of their courses.

Three consecutive months of Unsatisfactory Progress will result in a course reduction - which may affect graduation for high school scholars.

Four consecutive months of Unsatisfactory progress will result in complete withdrawal from iA. Scholars withdrawn from iA for Unsatisfactory progress may not re-enroll until the following school year.

Timelines:

Complete all lessons and assignments in the September module on your "modules" page in Canvas by September's monthly progress deadline.

Complete all lessons and assignments in the October module on your "modules" page in Canvas by October's monthly

progress deadline.

Complete all lessons and assignments in the November module on your "modules" page in Canvas by November's monthly progress deadline.

Complete all lessons and assignments in the December module on your "modules" page in Canvas by December's monthly progress deadline.

Complete all lessons and assignments in the January module on your "modules" page in Canvas by January's monthly progress deadline.

Complete all lessons and assignments in the February module on your "modules" page in Canvas by February's monthly progress deadline.

Complete all lessons and assignments in the March module on your "modules" page in Canvas by March's monthly progress deadline.

Complete all lessons and assignments in the April module on your "modules" page in Canvas by April's monthly progress deadline.

Complete all lessons and assignments in the May module on your "modules" page in Canvas by May's monthly progress deadline.

Complete all lessons and assignments in the June module on your "modules" page in Canvas by June's monthly progress deadline.

September Timeline:

Complete all lessons and assignments in the September module on your "modules" page in Canvas.

October Timeline:

Complete all lessons and assignments in the October module on your "modules" page in Canvas.

November Timeline:

Complete all lessons and assignments in the November module on your "modules" page in Canvas.

December Timeline:

Complete all lessons and assignments in the December module on your "modules" page in Canvas.

January Timeline:

Complete all lessons and assignments in the January module on your "modules" page in Canvas.

February Timeline:

Complete all lessons and assignments in the February module on your "modules" page in Canvas.

March Timeline:

Complete all lessons and assignments in the March module

on your "modules" page in Canvas.

April Timeline:

Complete all lessons and assignments in the April module on your "modules" page in Canvas.

May Timeline:

Complete all lessons and assignments in the May module on your "modules" page in Canvas.

June Timeline:

Complete all lessons and assignments in the June module on your "modules" page in Canvas.