

Precalculus II

Faculty

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Course description

Precalculus II is a problem-solving-based and rigorous overview of functions that model change. We will complete an in-depth study of a variety of functions (logarithmic, polynomial, sinusoidal, rational) and represent them algebraically, numerically, graphically, and verbally. We will additionally explore trigonometry through circles and triangles, as well as gaining familiarity with polar coordinates. There will be an emphasis on context-based problem solving, collaborative learning, and developing mathematical thinking and notation. Students who successfully complete Precalculus II will be prepared for Calculus.

A graphing calculator, or graphing calculator technology (such as [Desmos](#)) is required for this course.

Prerequisites

Successful completion or strong understanding of material covered in Precalculus I.

Texts

[Functions Modeling Change: A Preparation for Calculus, 6th Edition](#) (Connally, Hughes-Hallet, Gleason) ISBN: 978-1-119-49831-5

Schedule

- Tuesdays: 8-9:30am
- Thursdays: 8-9:30am