

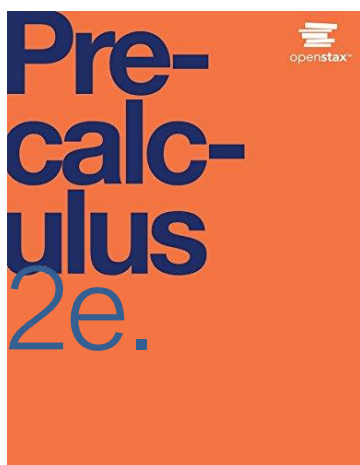
Precalculus

Instructor: Dr. Bob Core

Credit: 1 Year of math

Cost per Year: \$250 (½ due at registration, other ½ due first day of class)

Prerequisites: 1) Algebra 2- it is highly recommended that the student successfully complete Algebra 2 with an A or B to move forward with Precalculus. 2) Geometry- it is also highly recommended that the student successfully complete Geometry with an A or B. *Appropriate for 10-12th grade.*



Textbook & Online Practice: This class will use the free [Openstax](#) textbook- *Precalculus, 2e* (Paperback ISBN: 978-1711494005) and the open educational resource, myOpenMath.

Required Materials: Students will need the following materials:

- TI 83/84 graphing calculator
- Internet outside of class to access Canvas and homework
- Pencil(s) for class
- 3-ring binder with ruled paper, graph paper and dividers

Course description: Precalculus develops the topics essential for success in Calculus. Students who complete this course will have a strong background for a first-year Calculus sequence. In this course, students will complete extensive work with functions and their graphs, solving systems of equations, trigonometry, sequences and series, and receive an introduction to limits. This course is designed to support students as they investigate these concepts and apply the mathematics that they learn to real-world contexts. Students will explore ways to model mathematical situations and communicate mathematically; appropriate technology is integrated into the curriculum.

Expectations/Homework: Students can expect daily practice assignments, quizzes, tests and two end-of-term exams. As with any mathematics course, the student MUST keep up with the assignments to be successful. A student meeting the prerequisite knowledge and skills can estimate 4-5 hours of class work per week in addition to time spent in class. Grading will be cumulative.