Pre-calculus

Last Updated: Mon, 07/28/2025

Course prefix: Math

Course number: 1113

Section: QH

CRN (you may add up to five):
92313

Instructor First Name: Stephanie

Instructor Last Name: Reikes

Semester: Fall

Academic year: 2025

Course description:

Course designed to introduce and solidify the concepts needed for their first calculus course. Topics include properties of real numbers, functions, polynomial, rational and trigonometric, systems of equations and equalities as well as with expressions involving exponential and logarithmic functions.

Course learning outcomes:

Learning objectives articulate what students are expected to do in a course. The learning objectives for this course are as follows:

- Identify and apply basic skills such as adding/subtracting, fractions, order of operations, multiplying, and factoring throughout the course
- Solve linear, quadratic, exponential, logarithmic and trigonometric equations
- Compare functions and their inverses
- Graph a polynomial, rational and trigonometric functions
- Refine learning and study strategies for college level mathematics courses.

In regards to the last item: for most students in this class, MATH 1113 is their first college level mathematics course. Students may find that to reach their individual learning goals, they must adapt their study strategies and become familiar with a set of expectations and policies that are different than what they may have been used to in high school. There are a small number of activities that are designed to help students make this transition.

Required course materials:

Canvas (*required*)

Grading policy:

Your final grade will be computed as follows:

Welcome Module 1%

Academic Skills 2%

Knowledge Checks 3%

Buzzers 4%

Activities 4%

Graphing Projects (GPs) 4% (1% each)

Quizzes 6%

Exams 56% (14% each)

Final Exam Part 1 10%

Final Exam Part 2 10%

The standard 10-point scale will be used to assign letter grades, but the cut-offs may be lowered to arrive at a standard distribution for the course:

A: [90%,100%]; **B:** [80%, 90%); **C:** [70%,80%); **D:** [60%, 70%); **F:** [0, 60%)

Attendance policy:

You are expected to come prepared and actively participate in every class session. In the event of an absence, you are responsible for all missed materials and any additional announcements or schedule changes given. Students should refer to the class calendar to know what information was covered while they were not in class.

Academic honesty/integrity statement:

Students are expected to maintain the highest standards of academic integrity. All work submitted must be original and properly cited. Plagiarism, cheating, or any form of academic dishonesty will result in immediate consequences as outlined in the university's academic integrity policy.