Math 1060 - Precalculus - Summer 2024

Instructor: Vince Longo **Email:** vincent.2.longo@uconn.edu
Class Time (Optional): 11:00am-1:00pm M-F
Online Office Hours: 1:30-2:30 M-F (and by appointment)
Text: Precalculus 10*e*, by Larson

Lecture: Each class day (except for exam days), I will hold a live lecture from 11am-1pm (eastern time) on Webex. These lectures will be recorded and posted for anyone who chooses not to attend the live lectures (or wants to review anything).

Webex Link: TBD
Password: TBD
Meeting Number: TBD

Office Hours: I will hold office hours daily from 1:30-2:30pm and by appointment.

Webex Link: TBD
Password: TBD
Meeting Number: TBD

Textbook: The recommended textbook is Precalculus 10*e*, by Larson. You are not required to have a physical textbook. You are only required to have WebAssign access.

If you are participating in the Husky Book Bundle Program, you do not need to purchase anything. Please sign into HuskyCT to access course materials through the WebAssign link.

If you have opted out of the Husky Book Bundle Program, you can buy the textbook from the UConn Bookstore. You will need a WebAssign access code to access your homework assignments. When you buy the textbook from the bookstore, the WebAssign code will come bundled with the textbook. You will have two weeks of free access to WebAssign, which includes the e-book, so you can get started right away in case you need some time to arrange to buy textbook with the access code.

There is only ONE way to register for and access WebAssign. Once the semester officially begins, simply log into your HuskyCT account (lms.uconn.edu), navigate to the page for Math 1060Q, then follow the link on the left hand side for WebAssign Homework. When logging into WebAssign (through HuskyCT), do not use Internet Explorer or Safari. Use Firefox or Chrome.

Calculators: The use of calculators is NOT allowed on exams.

Course Description: Precalculus is a preparation for calculus which includes a thorough review of algebra. Emphasis will be on functions and their applications; in particular, polynomials, rational functions, exponentials, logarithms, and trigonometric functions.

Prerequisites: A qualifying score of 17 on the mathematics placement exam (MPE), unless you began attending UConn prior to Fall 2016 (in which case it is still recommended). Students who fail to achieve this minimum score are required to spend time on the preparatory and learning modules before re-taking the MPE or register for a lower level Mathematics course. Not open for credit to students who have passed MATH 1120, 1125Q, or 1131Q. Students may not receive credit for this course and MATH 1040Q.

WebAssign: Online homework will be submitted via WebAssign, which is accessible via HuskyCT. Assignments will be due in three batches, split up by exam material. Please use these assignments as a way to measure your understanding of the presented material, as well as a way to learn. While they are due in batches, I would strongly advise you to tackle them as soon as you can, as it can be *very* easy to fall behind quickly in a class as fast paced as ours.

Worksheets: In addition to online homework, students will complete worksheets on the relevant material. Worksheets will be due at the same time as the WebAssign homework. Worksheets will be submitted by uploading a pdf of their work to HuskyCT. A random set of problems from each worksheet will be graded on correctness, and the rest will be graded on a "good faith effort." A "good faith effort" means that so long as a student puts a good amount of effort into completing the problem, the student will earn full credit for that problem.

Exams: There will be three exams. The exams will be held on Wednesday June 5, Monday June 17, and Friday June 28. Please note that there will *not* be a cumulative final. Exams will be held online using Lockdown Browser and Respondus (LB&R). Students are *required* to complete the LB&R practice exam on HuskyCT before taking the first exam. Completing the LB&R practice exam will be counted as part of your homework grade. Students will be given a 22 hour window to start each exam, and will be given 1.5 hours to complete each exam.

Exams Redos: For each exam, students will have an opportunity to retake the exam to earn a better score. If a student chooses to retake the exam, they will earn the average of their two scores. If a student scores *lower* on their second try, the student can keep the score from their first attempt (meaning that attempting an exam redo cannot hurt any student's score).

Point Distribution:

WebAssign	20 percent
Worksheets	20 percent
Exams 1-3	60 percent (20 percent each)

The grading scale is as follows.

A	[93, 100]	**B**	[83, 87)	**C**	[73, 77)	**D**	[63, 67)
A-	[90, 93)	**B-**	[80, 83)	**C-**	[70, 73)	**D-**	[60, 63)
B+	[87, 90)	**C+**	[77, 80)	**D+**	[67, 70)	**F**	[0,60)

Course Schedule:

Day	Sections
Monday May 27	Memorial Day
Tuesday May 28	1.1 Rectangular Coordinates
	1.2 Graphs of Equations
Wednesday May 29	1.3 Linear Equations in Two Variables
	1.4 Functions
Thursday May 30	1.5 Analyzing Graphs of Functions
	1.6 Parent Functions
Friday May 31	1.7 Transformations of Functions
	1.8 Combinations of Functions: Composite Functions
Monday June 3	1.9 Inverse Functions
Tuesday June 4	Catch up and review
	Homework Batch 1 due at midnight
Wednesday June 5	Exam 1 (Covers Chapter 1)
Thursday June 6	2.1 Quadratic Functions and Models
Friday June 7	2.2 Polynomial Functions of Higher Degree
	2.6 Rational Functions
Monday June 10	3.1 Exponential Functions and Their Graphs
Tuesday June 11	3.2 Logarithmic Functions
	3.2B Applications of Exponential and Logarithmic Functions
Wednesday June 12	3.3 Properties of Logarithms
	3.4 Exponential and Logarithmic Equations
Thursday June 13	3.5 Exponential and Logarithmic Models
Friday June 14	Catch up and review
	Homework Batch 2 due at midnight
Monday June 17	Exam 2 (Covers Chapters 2 and 3)
Tuesday June 18	4.1 Radian and Degree Measure
Wednesday June 19	4.2 Trigonometric Functions: The Unit Circle
	4.3 Right Triangle Trigonometry
Thursday June 20	4.4 Trigonometric Functions of Any Angle
	4.5 Graphs of Sine and Cosine Functions
Friday June 21	4.6 Graphs of Other Trigonometric Functions
	4.7 Inverse Trigonometric Functions
Monday June 24	4.8 Applications and Models
Tuesday June 25	5.1 Using Fundamental Identities
	5.3 Solving Trigonometric Equations
Wednesday June 26	Catch up and Review
Thursday June 27	Homework Batch 3 due at midnight
Friday June 28	Exam 3 (Covers Chapters 4 and 5)