

## Syllabus for MATH 1060 Section 10

### Precalculus

<b>Term:</b>	Summer 2025	<b>Instructor:</b>	Michael Biro
<b>Time:</b>	Online	<b>E-mail:</b>	michael.biro@uconn.edu
<b>Room:</b>	Online	<b>Office:</b>	MONT 403
<b>Website:</b>	learn.uconn.edu	<b>Hours:</b>	By appt

**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.

**Text:** *Precalculus*, Ninth Edition, by Larson. The textbook will not be used, but you will need to be able to access WebAssign through the WebAssign link on HuskyCT.

**Exams:** There will be a cumulative final exam on Thursday, July 3rd.

**Homework:** There will be homework assigned and collected on WebAssign (due at 11:59PM three days after their section is covered in the schedule). Homework will be on WebAssign which you can reach from the course HuskyCT page. You are responsible for completing the assignments on time. No late homework will be accepted, and the lowest homework score will be dropped.

**Worksheets:** A worksheet will be assigned for each day in the class schedule. Worksheets should be submitted in HuskyCT by their scheduled day. No late worksheets will be accepted, and the lowest worksheet score will be dropped.

**Grading:** Based on the homework, the worksheets, and the exam. The weights will be approximately:

- Worksheets: 30%
- Homework: 30%
- Final Exam: 40%

<b>Lecture</b>	<b>Day</b>	<b>Textbook Section</b>	<b>Topic</b>
1	6/4/2025	A.1 A.2 A.7	Numbers and Algebra Exponents and Radicals Common Mistakes
2	6/6/2025	A.3 A.4 A.5	Polynomials and Factoring Rational Expressions Solving Equations
3	6/9/2025	1.1 1.2 1.3	Rectangular Coordinates Graphs of Equations Linear Functions
4	6/11/2025	1.4 1.5 1.6	Functions Analyzing Graphs of Functions Parent Functions
5	6/13/2025	1.7 1.8 1.9	Transformations of Functions Combinations of Functions Inverse Functions
6	6/16/2025	2.1 2.2	Quadratic Functions Polynomial Functions
7	6/18/2025	2.6	Rational Functions
8	6/20/2025	3.1 3.2 3.3	Exponential Functions Logarithmic Functions Properties of Exponentials and Logarithms
9	6/23/2025	3.4	Exponential and Logarithmic Equations
10	6/25/2025	4.1 4.2 4.3	Radian and Degree Measure The Unit Circle Right Triangle Trigonometry
11	6/27/2025	4.4 4.5 4.6	Trigonometric Functions Graphs of Sine and Cosine Functions Graphs of Other Trigonometric Functions
12	6/30/2025	4.7	Inverse Trigonometric Functions
13	7/2/2025	5.1 5.2 5.3	Using Trigonometric Identities Verifying Trigonometric Identities Solving Trigonometric Equations
14	7/3/2025	Final	Final