Math 1060Q
University of Connecticut - Hartford
Fall 2023 - Syllabus

Instructor: Kenya M. Overton ***Pronouns:*** she/her ***Ways to Reach Me*** *e-mail:*kenya.overton@uconn.edu *Virtual Office: https://uconn-cmr.webex.com/meet/kmo06001*	***Student Meeting Hours*** *Scheduling:* Appointments can be made with a conversation before class, after class, or via email. *In-Person Times: Tuesdays & Thursdays after class, 6:00pm* *Virtual*: Virtual meetings are preferred with more flexible times offered.
Course Time TR, 4:45 pm - 6:00 pm	***Course Location*** HTB - 208

COURSE OVERVIEW

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). 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.
Credits and contact time: Three credits. This class meets for 75 minutes, twice a week in a small lecture setting. Although this course is designed specifically for the Hartford campus, it is a coordinated course with a common webpage for all sections.

COURSE OBJECTIVES

At the end of this course, successful students will be able to:

- identify the eight most used functions and represent simple transformations, compositions and inverses of these functions.
- analyze and graph polynomial and rational functions.
- work with exponential and logarithmic functions.
- evaluate and graph trigonometric functions, their inverses, and reciprocals.
- apply different strategies for simplifying expressions and solving equations.
- use functions to model and solve real-world problems.
- expand mathematical reasoning skills to develop convincing mathematical arguments.
- communicate mathematics and logic at a collegiate level.
- solve mathematical problems and judge the reasonableness of the results.

COURSE MATERIALS

Textbook: Precalculus *10e*, by Larson (ISBN 978-1-337-27107-3)
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. The digital required materials for this course have been integrated with HuskyCT and can be found in the Course Materials link in your HuskyCT course. Please sign into HuskyCT to access your course and course materials.
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** (https://www.getenrolled.com/?courseKey=uconn00042064) 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 a 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.***
WebAssign assignments will be due every Tuesday and Thursday night. **The first assignment is due Tuesday, September 7th.**

Calculators: The use of calculators **IS NOT** permitted on exams or quizzes.

COURSE ASSIGNMENTS

Here's a list and brief description of the course assignments. I want you to focus your time on completing the assignment instead of wondering about the directions that will be passed out later. Therefore, I have planned various ways to communicate with you beyond this syllabus and need you to ask questions early and frequently.

Participation

Math is not a spectator sport. Being actively engaged in your learning is critical to your success in this course. It is expected that you will come to class prepared to share your ideas and actively engage in class activities. In-class activities will be factored into the participation grade. Engagement in those activities cannot happen if you are not in attendance. You are also expected to contribute to making the classroom environment one where others' ideas are respected, and debates are encouraged.

Math Autobiography

The purpose of this assignment is to give you a chance to reflect on your past experiences with mathematics. By describing your history as a learner of mathematics, your math autobiography gives me insight into how you feel about mathematics and possible ways to engage with you as we journey through this course together.

WebAssign Homework

To access the WebAssign homework you will have to go through HuskyCT single sign-on. In the left sidebar of your Math 1060Q HuskyCT page, you will find a link to do your homework using WebAssign. There will usually be 2-3 homework assignments per week (one for each textbook section covered). The due date for each assignment will generally be two or three days after the material is covered in class.

You will get five attempts for each question that is not multiple choice; the exact number of attempts for multiple choice questions will depend on the number of choices. This means True/False questions and questions with two answer choices have only one attempt – choose carefully! After each attempt, you will be told whether your answer is correct or not. If you are not able to get the correct answer after your initial attempts, seek help in class, the Q-Center, a tutor, or another student **before** your final attempt.

When accessing your online homework, use **Firefox or Chrome as your browser**; there are problems that can occur if you use Internet Explorer or Safari. See the document here.pdf for tips on using WebAssign, including entering answers and finding useful settings. Your lowest WebAssign score will be dropped at the end of the semester.

Math Projects

During this course, you will be assigned at least two math projects. Since students learn in different ways, they should be assessed in different ways. Projects are a great way to showcase your knowledge and creativity by applying the mathematical concepts learned in class to real world situations.

Quizzes and Exams

Quizzes will be given every Tuesday, beginning with the second week of classes. Your lowest quiz score will be dropped at the end of the semester.

A midterm exam will be held on **Tuesday October 3rd. The 2-hour common final exam will be held during finals week, December 10-14.** More information will be provided as those dates approach. You should put the exam dates into your calendar and plan to attend.

Calculators: The use of calculators IS NOT permitted on exams or quizzes.

Quiz/Exam Makeup Policy: If you miss a quiz/exam because you are ill or due to some other extenuating circumstance, you must contact me *before* the original quiz/exam time, or within 24 hours after the original quiz/exam time. If a makeup quiz/exam is approved, then you must take the quiz/exam within 1 week of the original quiz/exam time. If you do not follow these procedures, then you will receive a score of zero on the missed quiz/exam unless you have proper documentation of an extenuating circumstance.

Per University policy, all requests to reschedule or make up the final exam must be submitted to the Dean of Students for approval. Please note that vacations, previously purchased tickets or reservations, and social events are not viable excuses for missing a final exam. If you think that your situation warrants permission to reschedule, please contact the Dean of Students Office with any questions. Thank you in advance for your cooperation.

COURSE EVALUATION

Participation (on-going) Actively engaged in activities Treating others respectfully	10%
Math Autobiography (due: 9/1) Essay on previous math experience	10%
WebAssign Homework (Due Tuesdays & Thursdays) Your lowest WebAssign score will be dropped at the end of the semester.	10%
Quizzes (Tuesdays) Essay on previous math experience	15%
Math Project (TBD) A project that requires applications of math concepts	15%
Midterm (10/03) and Final Exam (TBD) Comprehensive assessments on Math 1060Q concepts 20% each	40%

If changes are made to evaluation components, they will be announced in class and posted on HuskyCT.

Grading Scale
Final course grades will be rounded to the nearest whole number using the following scale:

A = 93 -100%	A- = 90.00-92.99%	B+ = 87.00-89.99%	B = 83.00-86.99%
B- = 80.00-82.99%	C+ = 77.00-79.99%	C = 73.00-76.99%	C- = 70.00-72.99%
D+ = 67.00-69.99%	D = 63.00-66.99%	D- = 60.00-62.99%	F = below 60%

MATH CONCEPTS COVERED

Here is the schedule as it appears in the textbook.

This schedule is subject to change as needed according to content coverage and unforeseen events.

Week	Dates	Text Sections Covered	WebAssign Due Dates	Quizzes and Exams
One	08/28 - 09/01	▪ Class Introductions ▪ Syllabus Review ▪ Critical Thinking tasks	Your Math Autobiography Assignment **Due: 09/01 at 11:59 pm**	
Two	09/04 - 09/08	**1.1** Rectangular Coordinates **1.2** Graphs of Equations **1.3** Linear Equations in Two Variable	Thursday: 1.1	
Three	09/11 - 09/15	**1.4** Functions **1.5** Analyzing Graphs of Functions	Tuesday: 1.2, 1.3 Thursday: 1.4, 1.5	**Quiz 1** (1.1 - 1.3) Tuesday
Four	09/18 - 09/22	**1.6** Parent Functions **1.7** Transformations of Functions **1.8** Combinations of Functions: Composite Functions **1.9** Inverse Functions	Tuesday: 1.6 Thursday: 1.7, 1.8	**Quiz 2** (1.4 - 1.5) Tuesday
Five	09/25 - 09/29	**2.1** Quadratic Functions and Models **2.2** Polynomial Functions of Higher Degree	Tuesday: 1.9 Thursday: 2.1	**Quiz 3** (1.6 - 1.9) Tuesday
Six	10/03 10/05	**MIDTERM EXAM (1.1-1.9, and 2.1-2.2)**	Tuesday: 2.2 Thursday: none	
Seven	10/09 - 10/13	**2.6** Rational Functions **3.1** Exponential Functions and Their Graphs	Tuesday: 2.2 Thursday: 2.6	**Quiz 4** (2.2 & 2.6) Thursday
Eight	10/16 - 10/20 10/17 Career Services	**3.2A** Logarithmic Functions **3.2B** Applications of Exponential and Logarithmic Functions **3.3** Properties of Logarithms	Tuesday: 3.1 Thursday: 3.2A, 3.2B	**Quiz 5** (3.1 - 3.2) Friday (TH)
Nine	10/23 - 10/27	**3.4** Exponential and Logarithmic Equations **3.5** Exponential and Logarithmic Models	Tuesday: 3.3 Thursday: 3.4	**Quiz 6** (3.3 & 3.4) Thursday

Ten	10/30 - 11/03	**4.1** Radian and Degree Measure **4.2** Trigonometric Functions: The Unit Circle	Tuesday: 3.5 Thursday: 4.1	**Quiz 7** (3.5 & 4.1) Thursday
Eleven	11/07 - 11/10	**4.3** Right Triangle Trigonometry **4.4** Trigonometric Functions of Any Angle	Tuesday: 4.2 Thursday: 4.3	**Quiz 8** (4.2 - 4.3) Thursday
Twelve	11/13 - 11/17 STEM-Focused Panel (CS) Asynchronous Math Week	**4.5** Graphs of Sine and Cosine Functions **4.6** Graphs of Other Trigonometric Functions	Tuesday: 4.4 Thursday: 4.5, 4.6	**Group Project** Due: 11/18
THANKSGIVING BREAK				
Thirteen	11/27 - 12/01	**4.7** Inverse Trigonometric Functions **4.8** Applications and Models	Tuesday: 4.5, 4.6 Thursday: 4.7	
Fourteen	12/04 - 12/08	**5.1** Using Fundamental Identities **5.3** Solving Trigonometric Equations	Tuesday: 4.8 Thursday: 5.1, 5.3	**Quiz 9** (4.7 - 4.8) Tuesday
Fifteen	12/10 - 12/14	**Finals Week: MATH 1060Q FINAL EXAM (cumulative)** **The date to be announced later.**		

SUPPORT FOR STUDENTS

Students Experiencing Distress

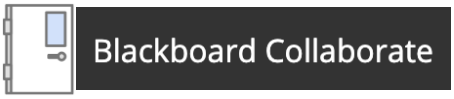


The University of Connecticut is committed to supporting students in their mental health, their psychological and social well-being, and their connection to their academic experience and overall wellness. The university believes that academic, personal, and professional development can flourish only when each member of our community is assured equitable access to mental health services. The university aims to make access to mental health attainable while fostering a community reflecting equity and diversity and understands that good mental health may lead to personal and professional growth, greater self-awareness, increased social engagement, enhanced academic success, and campus and community involvement.

Regional Wellness on each campus is intentionally cultivated through collaborations with students, campus leaders, staff, and faculty. Through interpersonal, intrapersonal, and community-based approaches, wellbeing is supported through evidence-informed practices including harm reduction, health promotion and direct services. Students who feel they may benefit from speaking with a mental health professional can find support and resources through the Mental Health Resource Center. Students can make an appointment with a mental health professional and engage in confidential conversations or seek recommendations or referrals for any mental health or psychological concern. Students can schedule an appointment via email, phone or through our NEW online scheduling system (students can schedule an appointment that works for them immediately).

Resources for Alcohol and Other Drug Services are available at (860) 486-9431 and www.aod.uconn.edu.

Accommodations for Illness or Extended Absences



Please stay home if you are feeling ill and go home if you are in class and start to feel ill. If any illness prevents you from attending class, it is your responsibility to notify me as soon as possible. You do not need to disclose the nature of your illness, however, you will need to work with me to determine how you will complete coursework during your absence. *If possible, you should virtually attend all or most of the class using Blackboard Collaborate on our HuskyCT site.* If life circumstances are affecting your ability to focus on courses and your UConn experience, you can email the Dean of Students at dos@uconn.edu to request support.

UNIVERSITY OF CONNECTICUT COURSE POLICIES

Students with Disabilities

The University of Connecticut is committed to protecting the rights of individuals with disabilities. The Center for Students with Disabilities (CSD) at UConn provides accommodations and services for qualified students with disabilities. If you have a documented disability for which you wish to request academic accommodations and have not contacted the CSD, please do so as soon as possible. The CSD is located in Wilbur Cross, Room 204 and can be reached at (860) 486-2020 or at csd@uconn.edu. Detailed information regarding the accommodations process is also available on their website at www.csd.uconn.edu.

Observation of Religious Holidays

Please contact me if you foresee a conflict between the due date for a major assignment and your religious observances.

Academic Integrity

This course expects all students to act in accordance with the Guidelines for Academic Integrity at the University of Connecticut. Because questions of intellectual property are important to the field of this course, we will discuss academic honesty as a topic and not just a policy. If you have questions about academic integrity or intellectual property, you should consult your instructor. Additionally, consult UConn's guidelines for academic integrity available at http://community.uconn.edu/the-student-code-appendix-a/.

Policy Against Discrimination, Harassment, and Inappropriate Romantic Relationships

The University is committed to maintaining an environment free of discrimination or discriminatory harassment directed toward any person or group within its community – students, employees, or visitors. Academic and professional excellence can flourish only when each member of our community is assured an atmosphere of mutual respect. All members of the University community are responsible for the maintenance of an academic and work environment in which people are free to learn and work without fear of discrimination or discriminatory harassment. In addition, inappropriate Romantic relationships can undermine the University's mission when those in positions of authority abuse or appear to abuse their authority. To that end, and in accordance with federal and state law, the University prohibits discrimination and discriminatory harassment, as well as inappropriate Romantic relationships, and such behavior will be met with appropriate disciplinary action, up to and including dismissal from the University. (More information is available at http://policy.uconn.edu/?p=2884.)

Sexual Assault Reporting Policy

To protect the campus community, all non-confidential University employees (including faculty) are required to report assaults they witness or are told about to the Office of Diversity & Equity under the Sexual Assault Response Policy. The University takes all reports with the utmost seriousness. Please be aware that while the information you provide will remain private, it will not be confidential and will be shared with university officials who can help. (More information is available at http://sexualviolence.uconn.edu/.)