



MARTHA BRADLEY EVANS
Center for Teaching Excellence

THE UNIVERSITY OF UTAH

Math 1060: Trigonometry

Summer Semester 2025

Mondays and Wednesdays, 6:00-9:00 pm; Sandy Room 107

Instructor: Karina Kofford

Email: karina.kofford@utah.edu

Office Hours: Monday/Wednesday 9-10 pm or via Zoom appointment

Office Location: Sandy 107 or Zoom

Required Materials

The textbook for this course is available at no cost over Canvas.

Course Description

This course covers trigonometric functions, inverses, equations and identities with applications; introduction to vectors.

Course Outcomes and Objectives

1. Understand trigonometric function definitions in the context of right triangles and on the unit circle.
2. Graph basic trigonometric functions and those with basic transformations. Be able to write an equation given a graph. Identify amplitude, periods, phase shifts, and asymptotes from graphic and algebraic representations of functions.
3. Represent and solve physical world problems using trigonometric functions.
4. Use trigonometric inverses correctly, understanding the domain/range restrictions.
5. Verify trigonometric identities, using proper logic and use trigonometric identities to evaluate expressions.
6. Solve trigonometric equations.
7. Solve for all measurements in any triangle, using the Pythagorean Theorem, trigonometric functions, the Law of Sines, and Law of Cosines in a variety of contexts and applications.
8. Be able to convert to and from rectangular and trigonometric forms of complex numbers and polar and rectangular forms of coordinates.
9. Graph complex numbers in a plane, perform operations on such numbers and interpret this graphically, and use DeMoivre's theorem to find roots and powers of complex numbers.
10. Understand geometry and arithmetic operations with vectors and use vectors in application problems.
11. Give an equation or verbal description for a conic given a graph of the conic; given an equation of a conic, identify the conic and be able to graph it and describe its attributes.

Teaching and Learning Methods

Lectures will be in person with lecture slides available before class on Canvas and annotated lecture slides posted after class on Canvas. Lectures will consist of explaining new concepts, demonstrating examples, and practicing examples. Please come prepared to complete problems in class. Assessments consist of homework, daily quizzes, a midterm exam, and the final exam. Check the "Grading Policy" section below for more details.

Course Policies

Attendance & Punctuality: Students are expected to attend the in-person lectures, however attendance is not required. There will be an in-class quiz or exam most days. You need to be present to participate in these assignments. A certain number of quizzes will be dropped to accommodate for illness and other absences.

Electronic Devices in Class: Allowed during lectures. Prohibited during quizzes and exams.

Canvas: Check Canvas daily for any announcements, updates, and assignments.

Communication:

- All course materials, such as lecture slides, assignments, solutions, grades, etc. will be posted on the Course Canvas site. Class announcements will be done via Canvas. Students are expected to log in and check Canvas every day for posted announcements and assignments. You will be responsible for any information contained in them as well as the information announced in class. Students are also strongly advised to set up notifications for Canvas so they do not miss any important notifications.
- I will always do my best to ensure the communication relevant to the course is clear and transparent. It is your responsibility to check your Canvas messages and Umail regularly. There will be occasions during the semester that we may need to reach out to you individually (e.g. regarding a grade or assignment) and it is in your best interest to respond promptly.
- Feel free to contact me by email or Canvas message. I will do my best to answer emails promptly. If the question asked pertains to the whole class (i.e. help with a homework problem or question about an exam policy), I may post my answer (with no mention of your name) in the Discussion Board in Canvas to help all students.
- If your preferred name is different than your legal first name, please log into Canvas and go to “Account” (on the far left) then “Settings” and change your “Display Name” to be the name you prefer to be addressed by. This will help me greatly to know students’ names, and to address you correctly when responding to Canvas comments.

Exam Dates: The midterm is scheduled for June 2nd, 6:00-7:30 pm. The final exam is scheduled for June 18th, 6:00-8:00 pm.

Official Drop/Withdraw Dates: The last day to drop this class is Thursday, May 15th; the last day to withdraw from this class is Friday, May 30th. Please check the academic calendar for more information pertaining to dropping and withdrawing from a course. Withdrawing from a course and other matters of registration are the student’s responsibility.

Holidays: There will be no class on May 26th or June 16th. Lectures will be given through video recordings on May 28th.

Day	Schedule Notes	Sections	Assessments
5/12		1.1-1.2	Syllabus Quiz
5/14		1.3, 1.4, 1.6	Quiz 1
5/19		2.1-2.2	Quiz 2
5/21		1.5, 3.1-3.2	Quiz 3
5/26	Memorial Day- No Class		
5/28	Class does not meet- recorded video lecture	4.1-4.4	
6/2		5.1-5.2	Midterm
6/4		6.1-6.2	Quiz 4
6/9		6.3-6.4	Quiz 5
6/11		7.1-7.3	Quiz 6
6/16	Juneteenth Observed- No Class		
6/18			Final Exam, 6-8 pm

Grading Policy (Evaluation Methods & Criteria)

Semester letter grades will be converted from numerical semester scores (N) as follows:

A (93-100), A- (90-92.99), B+ (87-89.99), B (83-86.99), B- (80-82.99), C+ (77-79.99), C (73-76.99), C- (70-72.99), D+ (67-69.99), D (63-66), D- (60-62.99), E (0-59.99)

The numerical grade consists of several components:

- **Homework:** 25% of final grade. Homework is delivered online through the IMathAS system and is due four days after it is assigned (Fridays and Sundays 11:59 pm). The homework will be linked through Canvas and is fully online (no file uploads needed). Late homework will be accepted at 80% credit.
- **Quizzes:** 25% of final grade. There will be daily quizzes at the beginning of each in-person class (except on exam days) covering the material from the previous lecture. Quizzes are closed notes. Electronic devices, collaboration, and calculators are not permitted. There are 6 quizzes in total. The lowest quiz score will be dropped. Quiz extensions and retakes will not be given. Quiz solutions will be available immediately after the quiz on Canvas.

- **Midterms:** 25% of final grade. There will be one midterm exam. You will be allowed a single-sided note sheet (8.5x11”). Calculators are not permitted. Your midterm grade may be raised if you score higher on similar problems on the final exam.
- **Final Exam:** 25% of final grade. The final exam is a comprehensive exam covering all topics in the course. You will be allowed a single-sided note sheet (8.5x11”). Calculators are not permitted.

It is the student’s responsibility to ensure the accuracy of all recorded homework, quizzes, online assignments, and exam grades. Also you should keep as record all your graded assignments. If you see any error in your grades on Canvas, reach out to the instructor as soon as possible, or at the latest within two weeks from when the assignment was returned.

University Policies

Americans With Disabilities Act (ADA)

The University of Utah seeks to provide equal access to its programs, services, and activities for people with disabilities.

All written information in this course can be made available in an alternative format with prior notification to the [Center for Disability & Access](#) (CDA). CDA will work with you and the instructor to make arrangements for accommodations. Prior notice is appreciated. To read the full accommodations policy for the University of Utah, please see Section Q of the [Instruction & Evaluation regulations](#).

In compliance with ADA requirements, some students may need to record course content. Any recordings of course content are for personal use only, should not be shared, and should never be made publicly available. In addition, recordings must be destroyed at the conclusion of the course.

If you will need accommodations in this class, or for more information about what support they provide, contact:

Center for Disability & Access

801-581-5020
disability.utah.edu

Third Floor, Room 350
Student Services Building
201 S 1460 E
Salt Lake City, UT 84112

Safety at the U

The University of Utah values the safety of all campus community members. You will receive important emergency alerts and safety messages regarding campus safety via text message. For more safety information and to view available training resources, including helpful videos, visit safeu.utah.edu.

To report suspicious activity or to request a courtesy escort, contact:

Campus Police & Department of Public Safety

801-585-COPS (801-585-2677)

dps.utah.edu

1735 E. S. Campus Dr.

Salt Lake City, UT 84112

Addressing Sexual Misconduct

Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/expression) is a civil rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veteran's status, or genetic information.

If you or someone you know has been harassed or assaulted, you are encouraged to report it to university officials:

Title IX Coordinator & Office of Equal Opportunity and Affirmative Action

801-581-8365

oeo.utah.edu

135 Park Building

201 Presidents' Cir.

Salt Lake City, UT 84112

Office of the Dean of Students

801-581-7066

deanofstudents.utah.edu

270 Union Building

200 S. Central Campus Dr.

Salt Lake City, UT 84112

To file a police report, contact:

Campus Police & Department of Public Safety

801-585-COPS (801-585-2677)

dps.utah.edu

1735 E. S. Campus Dr.
Salt Lake City, UT 84112

If you do not feel comfortable reporting to authorities, the U's Victim-Survivor Advocates provide free, confidential, and trauma-informed support services to students, faculty, and staff who have experienced interpersonal violence.

To privately explore options and resources available to you with an advocate, contact:

Center for Campus Wellness

801-581-7776
wellness.utah.edu
350 Student Services Building
201 S. 1460 E.
Salt Lake City, UT 84112

Academic Misconduct

It is expected that students comply with University of Utah policies regarding academic honesty, including but not limited to refraining from cheating, plagiarizing, misrepresenting one's work, and/or inappropriately collaborating. This includes the use of generative artificial intelligence (AI) tools without citation, documentation, or authorization. Students are expected to adhere to the prescribed professional and ethical standards of the profession/discipline for which they are preparing. Any student who engages in academic dishonesty or who violates the professional and ethical standards for their profession/discipline may be subject to academic sanctions as per the University of Utah's Student Code: [Policy 6-410: Student Academic Performance, Academic Conduct, and Professional and Ethical Conduct.](#)

Plagiarism and cheating are serious offenses and may be punished by failure on an individual assignment, and/or failure in the course. Academic misconduct, according to the University of Utah Student Code:

"...Includes, but is not limited to, cheating, misrepresenting one's work, inappropriately collaborating, plagiarism, and fabrication or falsification of information...It also includes facilitating academic misconduct by intentionally helping or attempting to help another to commit an act of academic misconduct."

For details on plagiarism and other important course conduct issues, see the U's [Code of Student Rights and Responsibilities.](#)