

Course Syllabus

 Edit

Utah Valley University

MATH-1060 I Trigonometry



Instructor Contact Information and Welcome

Instructor: Dr. Jessica Smith (<https://uvu.instructure.com/courses/597478/pages/instructor-information-2-2>)

Email: jessica.smith@uvu.edu

Office Hours: MW – 2:00-3:00 pm, TR – 2:30-3:30 pm, or by appointment

Preferred Method of Contact: Email or Canvas Messaging

Welcome to Math 1060! I'm so glad you're in this class, and I'm excited to be your instructor and to introduce you to Trigonometry, a crucial mathematical topic with countless applications. In this course, you will explore: (1) The unit circle and right triangle definitions of trigonometric functions, (2) Graphing trigonometric functions, (3) Trigonometric identities and equations, (4) Inverse trigonometric functions, (5) The Law of Sines and the Law of Cosines, (6) Vectors and their applications, (7) Complex numbers and their properties, (8) Polar coordinates and polar equations, and (9) Conics and their polar equations. Let's dive into this journey to explore and master these concepts, enhancing both your mathematical skills and practical knowledge. I look forward to a great semester with you!

Course Description

Includes the unit circle and right triangle definitions of the trigonometric functions, graphing trigonometric functions, trigonometric identities, trigonometric equations, inverse trigonometric functions, the Law of Sines and the Law of Cosines, vectors, complex numbers, polar coordinates, and rotation of axes.



MATH 1060 fulfills a pre-requisite for higher level math courses and also serves as a general education elective for several degrees.

🎯 Course Outcomes

Upon successful completion of this course, students will be able to:

- Solve problems involving trigonometric and inverse trigonometric functions, the Law of Sines, the Law of Cosines, and De Moivre's Theorem.
- Graph trigonometric and inverse trigonometric functions using basic transformations and, for the trigonometric functions, the concepts of period, amplitude, and phase shift.
- Evaluate the trigonometric functions without a calculator at multiples of the reference angles $\pi/6$, $\pi/4$, $\pi/3$, $\pi/2$.
- Construct the inverse trigonometric functions and their domains and ranges.
- Verify trigonometric identities.
- Write the trigonometric form of complex numbers.
- Convert between polar and rectangular coordinates.
- Write equations describing the conic sections in both polar and rectangular coordinates.



✓ Prerequisites and Needed Skills

Course Prerequisites:

- Within the last two years:
 - MATH 1050 or MATH 1055
 - Grade of C or higher
 - Appropriate math placement score

💰 Materials, Fees and Technology Tools

Required materials, fees and technology:

- **Textbook:** [OER TRIGONOMETRY TEXTBOOK](https://uvu.instructure.com/courses/597478/files/125233926?wrap=1)
(<https://uvu.instructure.com/courses/597478/files/125233926?wrap=1>) 
(https://uvu.instructure.com/courses/597478/files/125233926/download?download_frd=1)  (A Partnership Between Institutions in the Utah System of Higher Education. SLCC, UofU, WSU, and UVU)
 - (<https://www.slcc.edu/math/docs/math-1060-oer-trigonometry-textbook-version-2.pdf>)

Good news: your textbook for this class is available for free online, in view and PDF format!



You can use whichever formats you want. Web view is recommended -- the responsive design works seamlessly on any device.

- Third Party Usage:
 - There is a \$35 access fee to be able to complete homework problems using Lumen Learning OHM
- Access to a computer and reliable internet connection
- To download Microsoft Teams, [visit UVU's access portal \(https://www.uvu.edu/itservices/email-calendar-collaboration/video-conferencing_teams.html\)](https://www.uvu.edu/itservices/email-calendar-collaboration/video-conferencing_teams.html)
- [See UVU Free Software \(https://www.uvu.edu/software/\)](https://www.uvu.edu/software/)

? How This Course Works



Course Mode / Attendance: Face to Face

This is a fully Face to Face course, however there will be a couple days that are online (1/15 and 2/29).

Description of how the course works

For this three (3) **credit-hour** course students should expect to spend up to **9+ hours a week** completing course activities.

Canvas is where content, grades, and communications will reside for this course.

- Regularly check Canvas for updates and announcements, as it's your responsibility to stay informed about the class.
- [UVU Canvas for Students](https://www.uvu.edu/canvas/students/index.html)  (<https://www.uvu.edu/canvas/students/index.html>) has an array of information.
- The Office of Teaching and Learning [Student Resources](https://www.uvu.edu/otl/students/index.html)  (<https://www.uvu.edu/otl/students/index.html>) web page is another good resource.

As a student you can expect this course to challenge and engage you as a learner. You will be expected to attend each class, read and view course materials, engage in class activities, complete homework problems, and succeed as a student in this course.

Module Contents

The entirety of the course content is tailored to facilitate students' mastery of the learning outcomes.

Modules 1-8 are dedicated to the study of trigonometry, beginning with an introduction to angles and their measures, followed by an exploration of trigonometric functions, graphs, identities, formulas, inverse functions, equations, and applications beyond right triangles. Additionally, the modules cover polar coordinates and vectors, with Module 9 focusing on conic sections.

Each module includes the following items:



- Pre/Post-notes (Recommended, not graded)
 - Pre-notes and post-notes, offer additional insights respectively before and after problem-solving sessions during the lectures.
- Reading Materials (Required)
- Lumen OHM Homework (Required, graded)
- Class Participation (Required, graded)
- Extra Practice Exercises (Recommended, not graded)

Additional Information

Calculator Policy

On exams, any scientific calculator such as the TI-30 or TI-32 is permitted. Graphing calculators like the TI-83 or TI-84 are not allowed. If you're unsure whether your calculator is suitable for the class, feel free to ask me.

Calculators can be valuable tools, especially for checking work or understanding problem-solving processes. However, relying too heavily on a calculator can hinder your performance in the class. While a scientific calculator is strongly recommended and beneficial, it's not specifically required for this course.

Additionally, free online programs like GeoGebra, Desmos, and Wolfram Alpha are available, making a physical calculator optional. Only a few exam topics necessitate a calculator, so it's your responsibility to arrange for one.

Math Lab

This course is supported by tutors from the [Math Lab \(https://www.uvu.edu/mathlab/\)](https://www.uvu.edu/mathlab/), who are students that have successfully completed this course and possess a solid understanding of the concepts. The Math Lab's tutoring program is certified by the College Reading & Learning Association, ensuring that tutors are equipped to share effective learning and study strategies during tutorial sessions.

While tutors won't complete or correct homework assignments, or assist with take-home tests or quizzes, they will help you comprehend and reinforce concepts covered in the course. For further details, you can visit the [Math Lab \(https://www.uvu.edu/mathlab/\)](https://www.uvu.edu/mathlab/) or contact them at 801-863-8310.

The Math Lab operates during the following hours:

- Monday – Thursday: 9AM to 6PM
- Friday: 9AM to 4PM
- Saturday: 10AM to 2PM

General Expectations

As college students, I expect you to take this class seriously. Even if you don't think math is crucial for your future job or major, it's still important for building essential skills like problem-solving and thi



critically. So, make sure to complete all assignments and don't hesitate to ask for help if you need it. Focus on learning, not just getting a good grade.

Managing Stress

If you are feeling stress, contact Student Health Services. Resources are available to help students who are dealing with stress and/or anxiety. If you are in crisis, please access the SafeUT app, which will connect you to licensed counselors who are ready to respond 24/7 at no cost. You can text, call, or submit a tip anonymously.

Student Evaluation of Instruction

At the end of the semester, please complete the online student evaluation sent to your UVLink email account. The instructor does not receive any results until after grades are submitted. Responses are completely anonymous. Results from the course evaluations are summarized and cannot be associated with specific students.

Succeeding in Trigonometry

This is a 3-credit-hour course, requiring students to dedicate at least 9+ hours per week to successfully complete assigned tasks such as reading materials, viewing lectures, engaging in online discussions, fulfilling homework assignments, and preparing for exams. Students with weaker or less practiced backgrounds may find it necessary to allocate even more time to achieve a passing grade. Underestimating the time commitment required often leads to the need for course repetition.

It is strongly advised not to wait until the last minute before deadlines to begin homework assignments, exam preparation, and other tasks. Procrastination significantly increases the likelihood of needing to retake the course. Instead, students are encouraged to work ahead of deadlines whenever possible to better manage their workload and ensure successful completion of the course.

Helpful Tips:

- Enhance your participation in classroom discussions by pre-reading the text and watching lectures.
- Consider doing additional practice problems beyond those assigned to deepen your understanding.
- Engage in teaching the material by explaining concepts to peers or demonstrating problem-solving techniques. Teaching others often solidifies comprehension.
- Stay on track with course materials to avoid falling behind. Seek assistance from the instructor if you are struggling with the concepts, study with peers, or utilize tutoring services at the Math Lab if needed.
- Prior to tackling assignment problems, approach the material as if preparing for an exam by thoroughly reviewing the text and lectures. Attempt the problems without relying on external aids to simulate exam conditions and reinforce understanding. While it's acceptable to refer to notes and the text as needed, practicing without them aids in retention and prepares you for exam scenarios where such resources are unavailable.



📈 Grading Exam and Grading Scale

Grading Scale:

The following grading standards will be used in this class:

Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E
Percent	94-100	90-93	87-89	83-86	80-82	77-79	73-76	70-72	67-69	63-66	60-62	0-59

Assignment Categories

Activity	Percent
• Homework Assignments	20
• Class Participation	5
Exams (3) <ul style="list-style-type: none">• Exam 1 (covers chapters 1-2), February 2• Exam 2 (covers chapters 3-5), March 21• Exam 3 (covers chapters 6-9), April 21	51
Final Exam (comprehensive), April 30	24
Total	100

Late Work Statement:

Late submissions will not be accepted in this course unless under highly exceptional circumstances. If you are unable to contact the instructor ahead of the due date under such circumstances, you must provide appropriate documentation, such as a doctor's note, to be permitted to submit an assignment late.

Grading Exams:

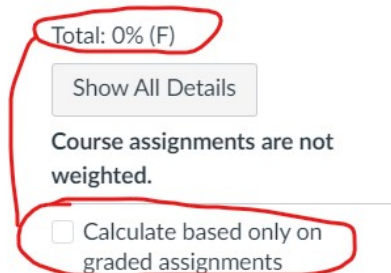


Your work will be evaluated based on clarity of presentation, neatness, and accuracy. Simply providing correct answers without justification will not earn credit unless specified otherwise. It is imperative to show all the work required to solve a problem. Partial credit will be awarded for demonstrating substantive progress toward a solution.

If you believe there was an error in the grading of your exam, please bring it to the attention of the instructor on the day the exam is returned to you.

Student Grade View

Ensure your Canvas Grades view does NOT have the "Calculate based only on graded assignments" box checked. Otherwise your grades will not be reflected accurately. You will need to select: [Grades \(https://uvu.instructure.com/courses/597478/grades\)](https://uvu.instructure.com/courses/597478/grades) from the left Canvas navigation and you will see it on that page in the upper right corner.



Total: 0% (F)

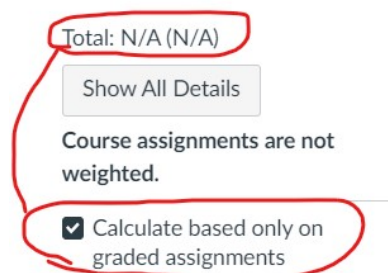
Show All Details

Course assignments are not weighted.

☐ Calculate based only on graded assignments

Do This

You can view your grades based on What-If scores so that you know how grades will be affected by upcoming or resubmitted assignments. You can test scores for an assignment that already includes a score, or an assignment that has yet to be graded.



Total: N/A (N/A)

Show All Details

Course assignments are not weighted.

☒ Calculate based only on graded assignments

NOT This:

You can view your grades based on What-If scores so that you know how grades will be affected by upcoming or resubmitted assignments. You can test scores for an assignment that already includes a score, or an assignment that has yet to be graded.

Assignment and Assessment Descriptions

To accomplish the learning outcomes of this course, the learner is required to:

- Participate in the class activities.
- Complete tests and homework.
- Complete a final exam.

Homework Assignments

Homework Problems

All homework submissions will be facilitated through Lumen OHM. **Each homework question allows for up to 4 attempts to input the correct answer.** Most of the homework problems are linked to videos, so if need help on how to solve the problem watch the linked videos.



Homework assignments will be accessible for a few days and are due at midnight. Students can begin using OHM immediately with a trial period. **However, to continue accessing homework after the trial period, students will need to pay approximately \$35 for course activation. See Instructions for course activation payment can be found in the link titled "How to access course material-Lumen OHM" in the Course Orientation module.**

The two (2) lowest homework grades will be dropped from the final grade calculation.

Timely completion of homework assignments aids in comprehending the topics covered in lectures and prepares you for subsequent material. However, it is crucial to note that mere completion of homework assignments does not guarantee success in the course. Persistent engagement in the thought process for developing concepts and skills is necessary for success.

Note:

- If you have any questions regarding the homework, reach out to me through email. I will not respond if you send me a message on the Lumen OHM***

Class Participation

Students are encouraged to regularly attend the class and actively participate in group discussions while solving assigned problems. Students should notify (in advance) the instructor if they need to miss more than one session. Supporting documentation may be required. **Participation in these discussions contributes to 5% of your final grade.**

Assessments

There will be three (3) Midterm Exams and a comprehensive Final Exam in this course.

There are no dropped midterm scores, and makeup exams will only be considered with an instructor-approved excuse. **However, the lowest midterm score (as a %) can be replaced with the final exam score (as a %) if it will improve the student's grade.**

Failure to take the final exam will result in a grade of UW or E (based on the last date of attendance) for the course, regardless of other grades. University policy dictates that no one will be allowed to take a final exam early.

Note: *In general, there are no makeup tests. If you miss a test and you do not have an excellent WRITTEN excuse (from a doctor, for example), you will get a zero on the test. In the rare event that a makeup test is given, the makeup test may be more difficult than the original test.*




Responsibilities



[Instructions: Review and update the Student and Instructor Responsibilities according to the needs of the course.]

Student Responsibilities:


- *Start class the first week of the term.*
- ***Be accountable by setting aside regular time each week to complete course activities and assignments on time as noted per the due dates.***
- *Learn how to use Canvas including communication tools (e.g. discussion, Canvas inbox, etc.). Learn how to use Microsoft Teams to hold video/voice meetings, post chats, and retrieve files. If you have technology-related problems contact the [Service Desk](https://www.uvu.edu/servicedesk/)  (<https://www.uvu.edu/servicedesk/>).*
- *Abide by ethical standards. Your work must be your own.*
- *Contact your instructor as early as possible if an emergency arises. Do NOT wait until the last minute to ask for an extension.*

Instructor Responsibilities:


- *Respond to messages within ONE business day. If multiple messages are received regarding the same question or concern, they may be responded to with an announcement to the entire class.*
- *Provide timely, meaningful and constructive feedback on assignments.*
- *Facilitate an effective learning experience.*
- *Refer students to appropriate services for issues that are non-course content specific. For instance, technical issue, writing labs, accessibility services, etc.*
- *Mentor students through the course.*

Technology Support Services

 For 24/7 technical support contact [Instructure's Canvas Support Live Chat](https://cases.canvaslms.com/liveagentchat?chattype=student&sfid=001A00000085cNxIAI) 
(<https://cases.canvaslms.com/liveagentchat?chattype=student&sfid=001A00000085cNxIAI>)

 (385) 204-4930 (Available 24/7)

UVU Policies and Resources

[Academic Policies & Standards](https://www.uvu.edu/catalog/current/policies-requirements/academic-policies-and-standards.html)  (<https://www.uvu.edu/catalog/current/policies-requirements/academic-policies-and-standards.html>)



Student Success Resources  (<https://www.uvu.edu/success/resources.html>)


Accessibility Services  (<https://www.uvu.edu/accessibility-services/>)

Course Drop/Withdrawal:

Students can withdraw from this class by telephone by calling Registration and Records at 801-863-8468, or online. To withdraw online, log into your myUVU account, select the Student tab, and click the Registration and Planning link in the menu. Access the Add or Drop Classes page, open the drop-down menu next to the course, select WEB DROP, and click on the Submit Changes button. AUDIT grades must be requested in person at the Registration and Records windows.

Students who choose to drop the course must complete the drop process by the date listed in the class schedule. Failure to drop the course by the drop deadline will result in a UW if you were passing the class on your last day of attendance or an E if you were failing the class on the last day of attendance. To qualify for an incomplete, you must have completed 80% of the coursework with a passing score and have a medical or employment emergency that physically prevents you from attending class. The department chair will require documentation.

Accommodations/Students with Disabilities Statement

Students needing accommodations due to a disability including temporary and pregnancy accommodations may contact the UVU **Accessibility Services**  (<https://www.uvu.edu/accessibility-services/>) at accessibilityservices@uvu.edu or 801-863-8747.

Accessibility Services is located on the Orem Campus in LC 312.

Deaf/Hard of Hearing students requesting ASL interpreters or transcribers should contact Accessibility Services to set up accommodations. Deaf/Hard of Hearing services can be contacted at DHHservices@uvu.edu

DHH is located on the Orem Campus in LC 312.

Academic Integrity Statement

At Utah Valley University, faculty and students operate in an atmosphere of mutual trust. Maintaining an atmosphere of academic integrity allows for free exchange of ideas and enables all members of the community to achieve their highest potential. Our goal is to foster an intellectual atmosphere that produces scholars of integrity and imaginative thought. In all academic work, the ideas and contributions of others must be appropriately acknowledged and UVU students are expected to produce their own original academic work.

Faculty and students share the responsibility of ensuring the honesty and fairness of the intellectual environment at UVU. Students have a responsibility to promote academic integrity at the university by not participating in or facilitating others' participation in any act of academic dishonesty. As



members of the academic community, students must become familiar with their **rights and responsibilities** [↗\(https://policy.uvu.edu/getDisplayFile/5bedd0ef7b23736d542192e3\)](https://policy.uvu.edu/getDisplayFile/5bedd0ef7b23736d542192e3). In each course, they are responsible for knowing the requirements and restrictions regarding research and writing, assessments, collaborative work, the use of study aids, the appropriateness of assistance, and other issues. Likewise, instructors are responsible to clearly state expectations and model best practices.

Further information on what constitutes academic dishonesty is detailed in **UVU Policy 541: Student Code of Conduct** [↗\(https://policy.uvu.edu/getDisplayFile/5bedd0ef7b23736d542192e3\)](https://policy.uvu.edu/getDisplayFile/5bedd0ef7b23736d542192e3).

Definitions and Examples:

Definition: Academic integrity is a basic principle which requires that students take credit only for ideas and efforts that are their own. Cheating, plagiarism, fabrication, and other forms of academic dishonesty are often defined as the submission of materials in assignments, exams, or other academic work that is based on sources that are prohibited by the faculty member or in ways that do not properly cite the source of a student's ideas and content. Further information on what constitutes academic dishonesty is detailed in **UVU Policy 541: Student Code of Conduct** [↗\(https://policy.uvu.edu/getDisplayFile/5bedd0ef7b23736d542192e3\)](https://policy.uvu.edu/getDisplayFile/5bedd0ef7b23736d542192e3).

Definition: The act of using or attempting to use or providing others with unauthorized information, materials or study aids in academic work. Cheating includes, but is not limited to, passing examination answers to or taking examinations for someone else, or preparing or copying others' academic work.

Examples include but are not limited to:

- Submission of work that is not the student's own for papers, assignments or exams.
- Submission or use of falsified data.
- Theft of or unauthorized access to an exam.
- Use of an alternate, stand-in or proxy during an examination.
- Use of unauthorized material including textbooks, notes or computer programs in the preparation of an assignment or during an examination.
- Supplying or communicating in any way unauthorized information to a "homework help site" such as CourseHero or to another student in the preparation of an assignment or during an examination.
- Collaboration in the preparation of an assignment. Unless specifically permitted or required by the instructor, collaboration will usually be viewed by the university as cheating. Each student, therefore, is responsible for understanding the policies of the department offering any course as they refer to the amount of help and collaboration permitted in preparation of assignments.



- Submission of the same work for credit in two courses without obtaining the permission of the instructors beforehand.

Definition: Plagiarism is the act of presenting another person's ideas, research or writing as your own.

Examples include but are not limited to:

- Using another person's exact language without the use of quotation marks and proper citation.
- Rearranging another's ideas or material and presenting them as original work without providing proper citation.
- Submitting another's work as one's own; this includes purchasing work from sources such as the internet.
- Submitting a translation of someone else's words claiming them as one's own
- Failing to acknowledge collaborators on homework and laboratory assignments.
- Duplicating or submitting work that was originally prepared for another class without the explicit permission of the instructor; or knowingly aiding another student who is engaged in plagiarism.

Resources: [Citation guide](https://uvu.libguides.com/citations)  (<https://uvu.libguides.com/citations>)

Definition: The use of invented information or the falsification of research or other findings.

Examples include but are not limited to:

- Citation of information not taken from the source indicated. This may include the incorrect documentation of secondary source materials.
- Listing sources in a bibliography not used in the academic exercise.
- Submission in a paper, thesis, lab report or other academic exercise of falsified, invented, or fictitious data or evidence, or deliberate and knowing concealment or distortion of the true nature, origin, or function of such data or evidence.
- Submitting as your own any academic exercise, (e.g., written work, printing, sculpture, etc.) prepared totally or in part by another.

We would like to acknowledge the following institutions: Northeastern University, University of Jamestown, Washington University in St. Louis, and UVU's Woodbury School of Business. This statement uses or adapts parts of their academic integrity statements or used them for inspiration.

Equity and Title IX Statement



Utah Valley University does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age (40 and over), disability, veteran status, pregnancy, childbirth, or pregnancy-related conditions, citizenship, genetic information, or other basis protected by applicable law, including Title IX and 34 C.F.R. Part 106, in employment, treatment, admission, access to educational programs and activities, or other University benefits or services. Inquiries about nondiscrimination at UVU may be directed to the U.S. Department of Education's Office for Civil Rights or UVU's Title IX Coordinator at 801-863-7999 – TitleIX@uvu.edu (<mailto:TitleIX@uvu.edu>) – 800 W University Pkwy, Orem, 84058, Suite BA 203.

Religious Accommodation Statement

UVU values and acknowledges a wide range of faiths and religions as part of our student body, and as such provides accommodations for students. Religious belief includes the student's faith or conscience as well as the student's participation in an organized activity conducted under the auspices of the student's religious tradition or religious organization. The accommodations include reasonable student absences from scheduled examinations or academic requirements if they create an undue hardship for sincerely held religious beliefs. For this to occur, the student must provide a written notice to the instructor of the course for which the student seeks said accommodation prior to the event.

The UVU campus has [a place for meditation, prayer, reflection, or other forms of individual religious expression](https://www.uvu.edu/interfaith/reflectioncenter/index.html) [↗ \(https://www.uvu.edu/interfaith/reflectioncenter/index.html\)](https://www.uvu.edu/interfaith/reflectioncenter/index.html) as is described on their website.

🎯 Math Department Policies

Students are expected to:

1. Perform basic algebraic and arithmetic operations using their knowledge of mathematical facts, rules, and properties.
2. Recognize and use their knowledge of a wide variety of mathematical definitions, terms, symbols, expressions, statements, formulas, procedures, and methods taught and used in the course.
3. Solve problems by selecting the most appropriate mathematical formula, procedure, or method from among several formulas, procedures, or methods known by the students.

Advisor:

The Mathematics Advisor is available to assist students with course selection and advisement. Contact Melissa Braithwaite in person at LA 109A or by phone by calling 863-5939.



Week	Topics Covered	Assignment Due
Week 1	Sec1.1: Degree and Radian Measure of Angles Sec1.2: Right Triangle Trigonometry	OHM Student Assignment- Tutorial Homework Sections 1.1 & 1.2
Week 2	Sec1.3: The Unit Circle Sec1.4: The Six Trigonometric Functions	Homework Sections 1.3 & 1.4
Week 3	Sec1.5: The Fundamental Trigonometric Identities Sec1.6: Beyond the Unit Circle	Homework Section 1.5
Week 4	Sec1.6: Beyond the Unit Circle Sec2.1: Graphs of the Sine and Cosine Functions	Homework Sections 1.6 & 2.1
Week 5	Sec2.2: Graphs of the Other Trigonometric Functions Sec2.3: Applications of Radian Measure	Homework Sections 2.2 & 2.3 Practice Exam (Extra Credit) Feb 7: Exam 1 (Chapters 1 & 2)
Week 6	Sec3.1: Using Trigonometric Identities Sec3.2: Multiple Angle Identities	Homework Sections 3.1 & 3.2
Week 7	Sec4.1: Inverse Sine and Cosine Functions Sec4.2: Other Inverse Trigonometric Functions	Homework Sections 4.1 & 4.2



Week 8	Sec4.3: Solving Equations Using the Inverse Trig Functions/Involving Single Trig Function Sec4.4: Solving Trigonometric Equations with Multiple Trigonometric Functions	Homework Section 4.3
Week 9	Sec4.4: Solving Trigonometric Equations with Multiple Trigonometric Functions Sec5.1: The Law of Sines	Homework Sections 4.4 & 5.1
	SPRING BREAK	



Week 10	Sec5.2: The Law of Cosines	<p>Homework Section 5.2</p> <p>Practice Exam 2 (Extra Credit)</p> <p>Mar 21: Exam 2 (Chapters 3, 4, & 5)</p>
Week 11	<p>Sec6.1: Polar Coordinates & Equations</p> <p>Sec6.2: Graphing Polar Equations</p> <p>Sec6.3: Polar Representations of Complex Numbers</p>	Homework Sections 6.1, 6.2, & 6.3
Week 12	<p>Sec6.4: Complex Products, Powers, Quotients, & Roots</p> <p>Sec 7.1: Vector Properties and Operations</p> <p>Sec 7.2: The Unit Vector and Vector Applications</p>	Homework Sections 6.4, 7.1, & 7.2
Week 13	<p>Sec7.3: The Dot Product</p> <p>Sec8.1: Sketching Curves Described by Parametric Equations</p>	Homework Sections 7.3, 8.1, & 8.2







	Sec8.2: Parametric Descriptions for Oriented Curves	
Week 14	Sec9.1: Ellipses Sec9.2: Hyperbolas Sec9.4: Conics in Polar Coordinates	Homework Section 9.1, 9.2, & 9.4
Week 15		Apr 21: Exam 3 (Chapters 6, 7, 8, & 9)
Apr 30 1-2:50 pm	Final Exam (Comprehensive)	

General Disclaimer:

















I retain the right to adjust the information, schedule, assignments, deadlines, and course policies outlined in this syllabus as needed. Any modifications will be communicated promptly.























Course Summary:

Date	Details	Due
Thu Jan 9, 2025	 OHM Student Assignment - Tutorial (https://uvu.instructure.com/courses/597478/assignments/8028629) 	due by 11:59pm
Sun Jan 12, 2025	 M01: Homework Section 1.1 (https://uvu.instructure.com/courses/597478/assignments/8028551) 	due by 11:59pm























Date	Details	Due
Sun Jan 19, 2025	 M01: Homework Section 1.2 (https://uvu.instructure.com/courses/597478/assignments/8028553)	due by 11:59pm
		
	 M01: Homework Section 1.4 (https://uvu.instructure.com/courses/597478/assignments/8028546)	due by 11:59pm
Sun Jan 26, 2025	 M01: Homework Section 1.3 (https://uvu.instructure.com/courses/597478/assignments/8028556)	due by 11:59pm
		
	 M01: Homework Section 1.5 (https://uvu.instructure.com/courses/597478/assignments/8028559)	due by 11:59pm
Sun Feb 2, 2025	 M01: Homework Section1.6 (https://uvu.instructure.com/courses/597478/assignments/8028563)	due by 11:59pm
		
	 M02: HomeWork Section2.1 (https://uvu.instructure.com/courses/597478/assignments/8028567)	due by 11:59pm
Thu Feb 6, 2025	 M02: HomeWork Section2.2 (https://uvu.instructure.com/courses/597478/assignments/8028571)	due by 11:59pm
		
	 M02: HomeWork Section2.3 (https://uvu.instructure.com/courses/597478/assignments/8028576)	due by 11:59pm
Fri Feb 7, 2025	 Exam 1 (https://uvu.instructure.com/courses/597478/assignments/8028547)	due by 11:59pm
		
Sun Feb 16, 2025	 M03: HomeWork Section3.1 (https://uvu.instructure.com/courses/597478/assignments/8028582)	due by 11:59pm
		








Date	Details	Due
Sun Feb 23, 2025	<div><div></div><div>M03: HomeWork Section3.2 (https://uvu.instructure.com/courses/597478/assignments/8028584)</div></div> <div>due by 11:59pm</div> <div></div>	
	<div><div></div><div>M04: HomeWork Section4.1 (https://uvu.instructure.com/courses/597478/assignments/8028586)</div></div> <div>due by 11:59pm</div> <div></div>	
	<div><div></div><div>M04: HomeWork Section4.2 (https://uvu.instructure.com/courses/597478/assignments/8028589)</div></div> <div>due by 11:59pm</div> <div></div>	
Sun Mar 2, 2025	<div><div></div><div>M04: HomeWork Section4.3 (https://uvu.instructure.com/courses/597478/assignments/8028591)</div></div> <div>due by 11:59pm</div> <div></div>	
	<div><div></div><div>Exam 2 (https://uvu.instructure.com/courses/597478/assignments/8028548)</div></div> <div></div>	
	<div><div></div><div>Exam 3 (https://uvu.instructure.com/courses/597478/assignments/8028549)</div></div> <div></div>	
	<div><div></div><div>Final Exam (https://uvu.instructure.com/courses/597478/assignments/8028550)</div></div> <div></div>	
	<div><div></div><div>M04: HomeWork Section4.4 (https://uvu.instructure.com/courses/597478/assignments/8028593)</div></div> <div></div>	
	<div><div></div><div>M05: HomeWork Section5.1 (https://uvu.instructure.com/courses/597478/assignments/8028595)</div></div> <div></div>	
	<div><div></div><div>M05: HomeWork Section5.2 (https://uvu.instructure.com/courses/597478/assignments/8028598)</div></div> <div></div>	



Date	Details	Due
	 <u>M06: HomeWork Section6.1</u> (https://uvu.instructure.com/courses/597478/assignments/8028601) 	
	 <u>M06: HomeWork Section6.2</u> (https://uvu.instructure.com/courses/597478/assignments/8028603) 	
	 <u>M06: HomeWork Section6.3</u> (https://uvu.instructure.com/courses/597478/assignments/8028606) 	
	 <u>M06: HomeWork Section6.4</u> (https://uvu.instructure.com/courses/597478/assignments/8028608) 	
	 <u>M07: HomeWork Section7.1</u> (https://uvu.instructure.com/courses/597478/assignments/8028610) 	
	 <u>M07: HomeWork Section7.2</u> (https://uvu.instructure.com/courses/597478/assignments/8028612) 	
	 <u>M07: HomeWork Section7.3</u> (https://uvu.instructure.com/courses/597478/assignments/8028614) 	
	 <u>M08: HomeWork Section8.1</u> (https://uvu.instructure.com/courses/597478/assignments/8028616) 	
	 <u>M08: HomeWork Section8.2</u> (https://uvu.instructure.com/courses/597478/assignments/8028618) 	
	 <u>M09: HomeWork Section9.1</u> (https://uvu.instructure.com/courses/597478/assignments/8028622) 	



Date	Details	Due
	 <u>M09: HomeWork Section9.4</u> (https://uvu.instructure.com/courses/597478/assignments/8028624) 	
	 <u>M09:HomeWork Section9.2</u> (https://uvu.instructure.com/courses/597478/assignments/8028627) 	
	 <u>Participation</u> (https://uvu.instructure.com/courses/597478/assignments/8101479) 