



UNIVERSITY of HAWAII
WINDWARD
COMMUNITY COLLEGE

MATH 140: PreCalc:Trig/Analytic Geometry
WWW
CRN: 64035
3 Credits

INSTRUCTOR: Tiffany Hayler
Zoom OFFICE: Zoom Link Posted to Laulima
OFFICE HOURS:
Online: M-F by appointment, email to set up meeting.
EMAIL: haylert@hawaii.edu
EFFECTIVE DATE: Spring 2023

Windward Community College Mission Statement

Windward Community College offers innovative programs in the arts and sciences and opportunities to gain knowledge and understanding of Hawai'i and its unique heritage. With a special commitment to support the access and educational needs of Native Hawaiians, we provide O'ahu's Ko'olau region and beyond with liberal arts, career and lifelong learning in a supportive and challenging environment — inspiring students to excellence.

Catalog Description

Studies trigonometric functions, analytic geometry, polar coordinates, vectors, and related topics. This course is the second part of the precalculus sequence.

Credits: 3

Prerequisites: Grade of "C" or better in MATH 135 or equivalent, satisfactory math placement test score, or consent of instructor.

Student Learning Outcomes

These student learning outcomes will be assessed via course activities (homework, in class work, and/or additional assignments) and via tests or quizzes.

1. Employ algebraic and geometric representations of trigonometric functions and other relations.
2. Use appropriate techniques to analyze and solve application problems requiring the use of trigonometry or analytical geometry.
3. Utilize precise mathematical language and symbols to effectively communicate mathematics in written and/or oral form.

Course Goals

1. To provide the student with mathematical skills and with an understanding of functional concepts which are prerequisite for further studies in mathematics, business and/or the sciences.
2. To cultivate and enhance the student's mathematical reasoning ability.
3. To extend the student's frame of reference in comprehending and applying mathematical concepts.
4. To nurture the growth of the student's problem-solving ability.
5. To promote awareness and appreciation for the role of mathematics in contemporary society.

Course Tasks

Weekly Section Reading

Students need to read the sections in the etext or textbook for each week before working on homework. Students may also view the optional lecture videos that will be linked to Laulima. Please note that the videos are not in chronological order, please refer to the section title to view a helpful video.

Weekly Lecture Videos and Lecture Notes

Students can view the lecture videos for each section by clicking on the links provided on the Laulima course overview page. Some sections may not have a lecture video and students must read those sections in the textbook. Lecture notes, 5pts each section, are due at the end of each week in Laulima Dropbox, uploaded as a SINGLE pdf per week.

**Label Lecture notes as follows “Week#_(NameofDocument)_LastName_FirstName”
For example: “Week1_LectureNotes_Hayler_Tiffany”**

Lecture notes that are not uploaded in the proper format, will not receive a grade.

Weekly Homework

There will be homework due via MLM Pearson each week on Fridays at 11:59pm. Students can still earn 80% back on problems completed after the due date. The last day to complete any late work is the last instructional day of the semester.

Weekly Quizzes

There will be 5 quizzes, each worth 50 points. Each quiz is an hour long and given via the MLM website. Students have only one attempt per quiz.

Quizzes open at the beginning of the course, and close on Friday's at 11:59pm, at the end of their respective weeks.

Final Exam

The final exam will be given via MLM, it is cumulative and will be 2hrs long. There are no retests or makeups for the final exam. Students will be required to submit handwritten work submitted within 15 minutes of completing the final. More information on this will be shared at the end of the semester.

It is expected that students spend, at the minimum, **24 hours per week** outside of class time studying, attending the Math Lab and/or TRiO for extra help, and doing homework and readings for this class.

Email and Laulima Website Communication in This Course

As this course is online, it is important to check in with class content **daily**. You are responsible for checking your UH email regularly for important announcements.

For email communications, include “**Math 140**” in the subject line of the email.

Required Materials

Required Texts and MyLabMath Access: A Graphical Approach to Precalculus with Limits, 7th Edition. Hornsby, Lial & Rockswold.

Students can use the link on Laulima titled “MLM Book & Homework” to find the online access. The etext and MLM is \$58.85.

Required Technology Tools: Computer/Laptop, TI-83, TI-83+, or TI-84+ calculator. (Graphing Calculator)

Required Internet Connection: Students need access to a strong internet connection. Students can rent laptops and calculators from the WCC library.

Learning Resources

WCC Math Tutoring Zoom: <https://windward.hawaii.edu/services-forstudents/tutoring/kahttps://windward.hawaii.edu/services-for-students/tutoring/ka-piko/mathlab/piko/math-lab/>

UH Manoa Online Learning Academy: <http://manoa.hawaii.edu/ola/> **Brainfuse:** <http://windward.hawaii.edu/Brainfuse/>

Khan Academy: <https://www.khanacademy.org/> Free online lessons and practice.

TRiO: <https://windward.hawaii.edu/services-for-students/tutoring/trio-sss/>

Responsibilities for Student Success in this Course

Success in this course will be enhanced by:

1. A positive, inquiring attitude toward mathematics.
2. Setting aside adequate time for studying, working on problems, and careful cogitation of the material.
3. Reading the text carefully and making use of other learning materials whenever necessary.
4. Seeking assistance from the instructor, tutors and the Math Lab whenever necessary.
5. Regularly attending class and, notifying the instructor of an absence and responsibly obtaining and completing assignments by the designated date.

Assessment and Grading

Grades for this course are based on the following course tasks:

Assignment	Point Worth	Grade Percentage
Five Quizzes	(50pts each) 250pts	50%
MLM Homework	75pts	15%
Lecture Notes (% of total)	75pts	15%
Final Exam	100pts	20%
Total:	500pts	100%

Each letter grade for the course will be assigned according to the level of achievement as provided in the table following:

Letter Grade/Definition

A	90% - 100% of the cumulative points possible
B	80% - 89% of the cumulative points possible
C	70% - 79% of the cumulative points possible
D	60% - 69% of the cumulative points possible
F	Less than 60% of the cumulative points possible
W	Official Withdrawal
IN	Incomplete

Incomplete - given when a student has failed to complete a SMALL part of the course due to circumstances beyond his/her control.

Note: To receive a W grade a student must officially withdraw from the course before the posted deadline on the UH academic calendar for the current semester.

Important WCC Class Deadlines

01/17/2023 Last day to register

01/17/2023 Last day to receive 100% tuition refund

02/01/2023 Last day to receive 50% tuition refund

02/01/2023 Last day to drop (No "W" on transcript)

03/24/2023 Last day to withdraw from class ("W" on transcript)

Additional Information

- **MAKE-UP POLICY: There are no make-up opportunities for quizzes or exams.** Communicate with your instructor in a timely manner if a crisis occurs that keeps you from participating in the course. If you are unable to take an exam during the specified exam window, email the instructor **before** the exam period begins to inform them of this. It may be possible for you to take the exam earlier than the specified day/time. Be sure to include the reason for not being able to take the exam. If you do not notify the instructor or if you do not have a justifiable reason, you will receive a score of 0 for that exam.
- **EMAIL:** Be sure to put “Math 140” then the nature of the email in the subject line of your email. Please allow for 24 hrs to pass before sending a follow up email.
- **FINAL EXAM:** The final exam is cumulative. This means any problem or concept from any of the sections may be included in the final exam.
- **HELP:**
The course instructor is your main human resource for help when you need help with the course material. There are also online help resources available and the Windward Community College Math Lab, online via Zoom. PLEASE seek help immediately if you are still lost or confused about the material after reading the sections and watching the lectures.

Academic Honesty

You may not consult with any classmates or outside resources while taking quizzes or exams. You are **not** allowed to tell a classmate the kind of questions on a quiz or exam or help a classmate in any way (e.g. by explaining how to solve the problem). Evidence of cheating will result in a score of 0 for all parties involved.

An “F” will be assigned to students involved in **cheating** and will be reported to the Dean. Please keep in mind that you are being assessed for your own knowledge and understanding of the concepts and strategies.

Any evidence of plagiarism will result in a score of 0 for all parties involved. If plagiarism persists, then an “F” will be assigned to the students involved in **plagiarism** and will be reported to the Dean.

All students are required to follow the Student Conduct Code described at

<http://www.hawaii.edu/policy/?action=viewPolicy&&policySection=ep&policyChapter=7&policyNumber=208>

Disabilities Accommodations

If you have a physical, sensory, health, cognitive, or mental health disability that could limit your ability to fully participate in this class, you are encouraged to contact the Accessibility Counselor to discuss reasonable accommodations that will help you succeed in this class. Roy Inouye can be reached at (808) 235-7448, royinouy@hawaii.edu, or you may stop by Hale Kāko‘o 106 for more information.

Sex Discrimination and Gender-Based Violence Resources (Title IX)

Windward Community College is committed to providing a learning, working, and living environment that promotes personal integrity, civility, and mutual respect and is free of all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence, and stalking.

If you or someone you know is experiencing any of these, WCC has staff and resources to support and assist you. To report an incident of sex discrimination or gender-based violence, as well as receive information and support, please contact one of the following:

Jojo Miller, Confidential Advocate

Phone: (808) 348-0663

Email: advocate@hawaii.edu

Office: Hale Kāko‘o 110

Desrae Kahale, Mental Health Counselor & Confidential Resource

Phone: (808) 235-7393

Email: dkahale3@hawaii.edu

Office: Hale Kāko‘o 101

Karla K. Silva-Park, Title IX Coordinator

Phone: (808) 235-7468

Email: karlas@hawaii.edu

Office: Hale ‘Ākoakoa 220

As a member of the University faculty, I am required to immediately report any incident of sex discrimination or gender-based violence to the campus Title IX Coordinator. Although the Title IX Coordinator and I cannot guarantee confidentiality, you will still have options about how your case will be handled. My goal is to make sure you are aware of the range of options available to you and have access to the resources and support you need.

For more information regarding sex discrimination and gender-based violence, the University’s Title IX resources and the University’s Policy, Interim EP 1.204, go to manoa.hawaii.edu/titleix/

Alternate Contact Information

If you are unable to contact the instructor, have questions that your instructor cannot answer, or for any other issues, please contact the Academic Affairs Office:

- Location: Alaka‘i 121
- Phone: (808) 235-7422