UNIVERSITY of HAWAI'I
WINDWARD COMMUNITY COLLEGE
Ke Kulanui Kaiāulu o ke Koʻolau

MATH 82 - ALGEBRAIC FOUNDATIONS

4 Credits (Math 82: CRN: 62408)
Monday and Wednesday from 12:00PM to 1:50PM in Manaopono 115

* This syllabus and/or our Course Schedule is subject to change at any time. I will notify you of any changes via email. Mahalo!

About Windward Community College

Mission Statement

ʻO keia ka wā kūpono e hoʻonui ai ka ʻike me ka hoʻomaopopo i kō Hawaiʻi mau hoʻoilina waiwai. Aia nō hoʻi ma ke Kulanui Kaiāulu o ke Koʻolau nā papahana hou o nā ʻike ʻake akamai a me nā hana noʻeau. Me ke kuleana koʻikoʻi e hoʻohiki ke Kulanui e kākoʻo a e hoʻokumu i ala e hiki kē kōkua i ka hoʻonui ʻike a nā kānaka maoli. Na mākou nō e hoʻolako, kākoʻo a paipai i nā Koʻolau a kō Oʻahu aʻe me nā hana noʻeau ākea, ka hoʻonaʻauao ʻoihana a me ka hoʻonui ʻike ma ke kaiāulu— hōʻaʻano a e hoʻoulu i nā haumāna i ka poʻokela.

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

ʻĀina

Windward Community College is located in the ahupuaʻa of Kāneʻohe and Heʻeʻia in the moku of Koʻolaupoko on the island of Oʻahu. Both ahupuaʻa are directly connected to the moʻo ʻōlelo of Pāpa and Wākea, who are seen as the ancestors of the Hawaiian nation. The campus sits beneath the puʻu of Keahiakahoe, which is also connected to many moʻo ʻōlelo of this ʻāina. Because wind names and rain names are associated with specific ʻāina, the rain name of Kāneʻohe is known as the ʻĀpuakea and the rain name of Heʻeʻia is the Ulumano.

Instructor Information

About Your Instructor

Hello, I'm Cristian Farias, your instructor for the course. I've been teaching college level mathematics since 2016. I earned my Bachelors and Masters degrees in Applied Mathematics with an emphasis in Complex Analysis and Applied Probability Theory. Outside of teaching, I enjoy spending time with my friends, dog and family.

How to Contact Your Instructor

Cristian Farias, Instructor, Math and Business Department.

Office Hours: Mondays and Wednesdays from 11:30 AM to 12:00 PM and Tuesdays and Thursdays from 10:30 AM to 11:00AM

Zoom office hours are by appointment only; please email me to schedule

- Office: Hale Manaʻopono 112
- Email: farias7@hawaii.edu

Response time: I generally respond to emails and Q&A within 24 hours, excluding weekends and holidays.

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: Alakaʻi 121
- Phone: (808) 235-7422

Contingency Plan

If there is an outage, weather situation, or family emergency on my end, I will do my best to find a way to communicate an update as soon as possible about my return to the course. Thank you in advance for your understanding and I hope you will do the same.

Course Format & Structure

This course is offered in a 16-week time frame. Please note that this is not a self-paced course; our course schedule is provided in this syllabus.

This course is a completely in person course. We will meet in Manaopono Room 115 and cover new topics on Monday and Wednesday until the end of the semester. Homework and quizzes/assignments will be available on Lamaku.

Regular Substantive Interaction (RSI)

Online courses at Windward Community College follow the college's RSI Definition for ensuring quality instruction. You can expect me to communicate with you frequently (and in a timely fashion) about our coursework in the following ways during our 16-week course:

- *Announcements:* Regular announcements will be sent out on Sunday with important information about the class

There are several ways to communicate in this course:

Email: Email through Lamakū is preferred. My normal work hours are Monday through Friday, 8:00 AM to 4:00 PM. I will respond within 24 hours, excluding weekends and holidays.

Office Hours: Please talk to or email me to schedule an appointment.

Q & A Lamakū Discussion Board: You may post general questions about the course, homework, etc., to the Q & A forum. This is a public space where both students and the instructor can respond. Note: For private communication, please use email.

In class questions and discussions. I will also reach out to you regularly with course updates:

Announcements: Posted on Lamakū with general information and reminders.

Grades: Posted in the Lamakū Gradebook.

All course activity due dates are listed in Lamakū on the Calendar. Please check your UH email often and set your Lamakū Notifications (both email and D2L Brightspace Pulse App) to receive course notices, such as grading updates, announcements, and activity reminders. I will keep our Lamakū course Grades as current as possible.

Participation Verification

Campuses are required by federal regulations to verify the participation of students in their classes. In accordance with Executive Policy 7.209, all students in the University of Hawai‘i system are required to establish “participation” to ensure that they are not dropped from their class(es). Effective Fall 2021, students who fail to participate by the late registration period for a class will be administratively dropped from that class. Students may also be dropped from dependent prerequisite and/or corequisite classes if both courses do not establish participation.

Course Information

Catalog Description

MATH 82 covers elementary algebra topics. Topics include linear equations and inequalities, graphing, linear systems, properties of exponents, operations on polynomials, factoring, rational and radical expressions and equations, quadratic equations, and applications.

Pre-Requisites: Placement, or a Grade of "C" or better in Math 21, Math 21B, Math 24, Math 28, or Math 75X.

Co-Requisite(s): None

Student Learning Outcomes

Students can expect to attain the following outcomes as a result of taking this course:

As a result of taking this course, students can expect to attain the following outcomes:

1. Use algebraic techniques to analyze and solve applied problems
2. Graph linear and quadratic equations
3. Solve equations, inequalities, and systems
4. Utilize precise mathematical language and symbols to effectively communicate mathematics in written and/or oral form

Course Materials & Technology

Required

Textbook: Algebra for College Students, 9th ed., by Lial, Hornsby, & McGinnis

- Regular access to a computer with internet (desktop or laptop).
    - Windward offers free laptop and WiFi hotspot check-out to students (first-come, first-served), as well as software and other tech discounts; see Ka Piko Student Tech Support for information.
    - UH Online provides an online learning Readiness Activity and an Orientation to Online Learning that Windward CC students may take to see if online learning is a good fit.
- Additional required Math 82 materials will be posted in Lamakū Content.

Recommended

- D2L Brightspace Pulse App (free download from app stores)
- TRiO: Hale Kākoʻo 116
- The Math Lab: Laʻakea 220
  https://windward.hawaii.edu/services-for-students/tutoring/ka-piko/
- UH Manoa Online Learning Academy: www.manoa.hawaii.edu/ola
- Tutor.com 24/7 online tutoring that connects students one-to-one with a subject expert tutor: www.Tutor.com

Lamakū Learning Management System (https://lamaku.hawaii.edu/d2l/home)

Learn about the Hawaiian meaning of the word "lamakū": Lamakū Pronunciation, Meaning, and Importance.

- UHCC Lamakū Student Resources (how-to videos)
    - Contact UH ITS for 24/7 Lamakū assistance.
- Keeping Accessibility and UDL in Mind
    - If you find any course content that needs remediation and/or updating, please kindly share and I will immediately work to make the content accessible.

- Lamakū courses will appear 5 days before the first day for the academic term and will become inactive (no longer be available to access) 3 weeks after the end of the term. Be sure to save any coursework you may need from Lamakū *during* the term.
- Lamakū automatically logs you out *if it does not detect activity for three hours*. A warning message will appear, notifying you of the lack of activity. Activity is defined as clicking a button in Lamakū, such as "Save Draft" or "Next" (in a test), clicking on a course tab, or taking an action that sends information to the server.

Other Technology

D2L Brightspace, the parent company of Lamakū, recommends users choose the latest versions of Google Chrome, Mozilla Firefox, Microsoft Edge, or Apple Safari as their internet browser.

We recommend that students update their internet browser at the start of each term, search how to allow pop-up windows, adjust their cookies, and clear device history. Also, fully restart your computer and/or device from time-to-time to optimize performance.

Review the privacy/security policies before using the technologies we will be using in this class. Contact me if you would like to discuss the use of alternate options or technologies.

- Adobe Reader is used to read course files (Adobe Accessibility statement, Adobe privacy policy)
- Canva is a presentation, graphic design software, and more (Canva accessibility statement, Canva privacy policy)
- Google Drive is UH-provided cloud storage (Google accessibility statement, Google privacy policy)
- Google Docs is used to create documents (Google accessibility statement, Google privacy policy)
- Google Sheets is used to create assignment and reference worksheets (Google accessibility statement, Google privacy policy)
- Google Slides is a presentation authoring software provided by UH (Google accessibility statement, Google privacy policy)
- H5P is used for creating review activities (H5P accessibility, H5P privacy policy)
- Kahoot! is used for review activities (Kahoot! accessibility statement, Kahoot! privacy policy)
- Loom is used for screen recording (accessibility statement not provided, Loom privacy policy)
- Mentimeter is used for interactive presentations and activities (Mentimeter accessibility statement, Mentimeter privacy policy)
- Miro is used for graphically organization information (Miro accessibility statement, Miro privacy policy)
- Nearpod is used for interactive presentations (Nearpod accessibility statement, Nearpod privacy policy)
- Padlet is used for some of the discussion activities (Padlet accessibility statement, Padlet privacy policy)
- PearDeck is used for interactive presentations (Pear Deck accessibility statement, PearDeck privacy policy)
- ScreenPal is used for video and screencapture (ScreenPal accessibility statement, ScreenPal privacy policy)
- Quizlet is used for interaction (Quizlet accessibility statement, Quizlet privacy policy)

- YouTube is used for delivering some of the course content (YouTube accessibility statement, YouTube privacy policy)
- Zoom is used for the Synchronous Sessions and virtual office (Zoom accessibility statement, Zoom privacy policy)

Course Activities & Grading Policy

MLM Homework: Computer-based homework is due through the MyLab Math (MLM) program. You have unlimited attempts at homework problems and your highest score will be saved. Homework is worth 30% of your overall grade. **No make-up homework will be given.**

Quizzes: There will be weekly quizzes throughout the semester which will be announced ahead of time. The quiz questions will be similar to examples that we complete in class or lecture videos. Calculator use is not permitted on quizzes unless noted by the instructor. **No make-up quizzes will be given.**

Tests: There will be 4 tests this semester as noted on the course calendar. Each test will be worth 10% of your final grade (40% total) **No make-up Exams will be given.**.

Final Exam: There will be one cumulative final exam. **No make-up Final Exams will be given.**

The final exam is worth 10% of your overall grade. You must achieve a minimum of 60% on the final exam to pass this course.

The grade breakdown will be as follows:

Grading Scale

Course Activity	Points/Percentage of Final Grade
In class Final Exam	10%
MyMathLab Quizzes	20%
MyMathLab Homework	30%
MyMathLab 4 Tests	40%
Total	**100%**

Course Schedule

Students may check the Windward Student Notifications page on the website for canceled classes and/or school closures.

Week	Date	Module / Topic	Due Dates
1	8/24/26	***Week 1 Assignments*** ● Read/Review/Watch: Syllabus, Lamaku: Read syllabus, connect to MyLab Math using VitalSource link ● Do: MyLabMath Tutorial, Sections: 1.1, 1.2, 1.3 ● Do: MyLabMath Quiz #1	[Required Participation Verification activity due by 8/30/2026]
2	8/31/26	***Week 2 Assignments*** ● Read/Review/Watch: MyLabMath (MLM) Lecture Videos for sections 1.4, 1.5 and 2.1 ● Do: MLM Homework Sections: 1.4, 1.5, 2.1 NOTE: 9/1/26 is the last day to register for a course, audit a course, change grading mode and variable credits, drop a course for 100% refund	9/6/2026
3	9/7/26 (holiday)	***Week 3 Assignments*** ● Read/Review/Watch: MyLabMath (MLM) Lecture Videos for sections: 2.2, 2.3, 2.4, ● Do: MLM Homework Sections: 2.2, 2.3, 2.4, ● Do: MLM Quiz #2	9/13/2026
4	9/14/26	***Week 4 Assignments*** ● Read/Review/Watch: MyLabMath (MLM) Lecture Videos for sections: 2.5, 2.6 ● Do: MLM Homework Sections: 2.5, 2.6 ● Do: MyLabMath Exam #1 NOTE: 9/15/26 is the last day to drop course with "W" grade, drop course for 50% tuition refund, and submit tuition waivers	9/20/2026
5	9/21/26	***Week 5 Assignments*** ● Read/Review/Watch: MyLabMath (MLM) Lecture Videos for sections: 3.1, 3.3, 4.1, 4.2 ● Do: MLM Homework Sections: 3.1, 3.3, 4.1, 4.2 ● Do: MLM Quiz #3	9/27/2026
6	9/28/26	***Week 6 Assignments*** ● Read/Review/Watch: MyLabMath (MLM) Lecture Videos for sections: 4.3, 4.5, 4.6 ● Do: MLM Homework Sections: 4.3, 4.5, 4.6 ● Do: MLM Quiz #4	10/4/2026

Week	Date	Module / Topic	Due Dates
7	10/5/26	***Week 7 Assignments*** ● Read/Review/Watch: Review Chapter 3 and 4 ● Do: MyLabMath Exam 2	10/11/2026
8	10/12/26	***Week 8 Assignments*** ● Read/Review/Watch: MyLabMath (MLM) Lecture Videos for sections: 5.1, 5.2, 5.3 ● Do: MLM Homework Sections: 5.1, 5.2, 5.3 ● Do: MLM Quiz #5	10/18/2026
9	10/19/26	***Week 9 Assignments*** ● Read/Review/Watch: MyLabMath (MLM) Lecture Videos for sections 5.5, 6.1, 6.2 ● Do: MLM Homework Sections: 5.5, 6.1, 6.2 ● Do: MLM Quiz #6	10/25/2026
10	10/26/26	***Week 10 Assignments*** ● Read/Review/Watch: MyLabMath (MLM) Lecture Videos for sections: 6.3, 6.4, 6.5 ● Do: MLM Homework Sections: 6.3, 6.4, 6.5 ● Do: MLM Quiz #7	11/1/2026
11	11/2/26	***Week 11 Assignments*** ● Read/Review/Watch: Review Chapter 5 and 6 ● Do: MyLabMath Exam 3 NOTE: 11/2/26 is the last day to withdraw from a course for a "W" grade, 0% tuition refund	11/8/2026
12	11/9/26	***Week 12 Assignments*** ● Read/Review/Watch: MyLabMath (MLM) Lecture Videos for sections: 7.1, 7.2, 7.3 ● Do: MLM Homework Sections: 7.1, 7.2, 7.3 ● Do: MLM Quiz #8	11/15/2026
13	11/16/26	***Week 13 Assignments*** ● Read/Review/Watch: MyLabMath (MLM) Lecture Videos for sections: 7.4, 7.5, 7.6, 8.1 ● Do: MLM Homework Sections: 7.4, 7.5, 7.6, 8.1 ● Do: MLM Quiz #9	11/22/2026
14	11/23/26	***Week 14 Assignments*** ● Read/Review/Watch: MyLabMath (MLM) Lecture Videos for sections: 8.2, 8.4, 9.3 ● Do: MLM Homework Sections: 8.2, 8.4, 9.3 ● Do: MLM Quiz #10	11/29/2026

Week	Date	Module / Topic	Due Dates
15	11/30/26	***Week 15 Assignments*** ● Read/Review/Watch: Review Chapter 7, 8 & 9 ● Do: MyLabMath Exam 4	12/6/2026
16	12/7/26	***Week 16 Assignments*** ● Read/Review/Watch: Review Chapters 1 - 9 ● Do: Final Exam	12/18/2026
Finals	12/14/26 - 12/18/26	Finals Week Exam Schedule Final Exam - Wednesday 12/16/2026 from 12PM - 2 PM NOTE: Grades will be available in STAR GPS on 12/23/2026	

Academic Integrity

Windward CC Student Conduct Information

UH System Student Conduct Policy EO 7.208

In general, work submitted by a student must be the student's own, original work. The work of others should be properly acknowledged, explicitly marked and cited, through the use of quotes and/or summarized reference to the original author via the appropriate citation style indicated by your instructor.

In this class, students who commit academic dishonesty, cheating, or plagiarism will have the following consequence(s):

- Students will receive a failing grade for plagiarized assignments.
- All cases of academic dishonesty are referred to the Vice Chancellor for Student Affairs.

Artificial Intelligence (AI)

UH Executive Policy 2.220 Artificial Intelligence

The Windward CC Library AI Essentials Library Guide provides guidance and has helpful resources for both instructors and students.

AI use is not permitted in this course.

Depending on the specific assignment, we will follow one of these three protocols:

Level	Policy	Expectation
Red Light 🔴	Full Stop	*No AI permitted.* These assignments will assess individual mastery of skills including, but not limited to solving calculations, writing lab reports, and interpreting scientific data. These assignments require human reasoning and using AI will bypass the intended cognitive process essential for this course, thus will be considered academic dishonesty.
Yellow Light 🟡	Curated Use	*Limited AI as a tutor.* You may use AI to clarify concepts, brainstorm ideas, or organize papers. You must include an "AI Disclosure" stating how the tool was used (e.g., "AI helped me organize my outline, but all solutions and calculations are mine").
Green Light 🟢	Full Integration	*AI as a collaborator.* In these cases, AI may be used as a collaborative tool to assist with searches, summarize research papers, or any other use deemed appropriate by the instructor. You must verify all AI-generated results with credible sources and provide an "AI Disclosure" stating how the tool was used.

AI models are trained using a large variety of datasets and may produce results that are inaccurate, fabricated, or obsolete. AI models are unable to share the same experiences as those that performed these experiments or verified data in-person.

Your Responsibility with AI:

- ***Verification:*** You must verify the accuracy of all submitted content. Never assume AI data is correct.
- ***Scientific Reasoning:*** Your work must reflect your own ideas and critical-thinking skills. Understanding and intention comes from working through the problems and data yourself, and avoiding this could render your methods meaningless.
- ***Ethics & Integrity:*** You must be mindful of how AI usage can coincide with scientific ethics. Do not input sensitive data or proprietary information into AI tools. Avoid using AI in a way that will generate falsified or fabricated results.

Student Kuleana

- Please review our Hawai'i-Style Netiquette, which blends the values of ALOHA with approaches to how we should consider treating each other online.
- Students are expected to complete all assignments, attend all classes, arrive on time, be ready to learn, have a positive attitude, and seek out help outside of class.
- Cellphones are not allowed in class.

- If you are not able to attend class please reach out to a fellow student to get any information that was missed for that day.
- Windward CC has Grievance Procedures in place, but I encourage us to try to work together first to see if we can work through any troubles. Thank you!

Academic and Technical Support

Academic Support

- Windward Community College Library
- Library eResources
- Library Research Units (LRUs)
- Ka Piko Tutoring Services: Math Lab, Speech Lab, Writing Lab, ʻŌlelo Hawaiʻi Lab
- Online Learning at Windward Community College
- STAR Balance

Technical Support

- UH ITS Help Desk: email help@hawaii.edu or call (808) 956-8883 (or 1-800-558-2669) for Lamakū and most technology support. Available 24 hours a day, 7 days a week, including holidays.
- Student Tech Support: email winhelp@hawaii.edu, call (808) 235-7437, or stop by in person at Hale Laʻakea 228. Available Monday–Friday from 8:00 am–4:00 pm.
- Lamakū: Click on the Lamakū Help link in the menu bar at the top of the Lamakū homepage to fill out and submit a question and get your answer via email.
- Information Security for Students

College Policies & Support Services

Your instructor may also provide additional resources in your Lamakū course.

Basic Needs

Basic needs include food and housing, childcare, mental health, financial resources, and transportation. Student basic needs security is critical for ensuring strong academic performance, persistence and graduation, and overall student well-being. If you or someone you know is experiencing basic needs insecurity, please see the UH System Basic Needs.

Disabilities Accommodations Statement

Windward Community College's Disability Student Services Office (WCC-DSSO) is committed to providing equal access to qualified students with disabilities.

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

Financial Aid

If you are receiving financial aid and are contemplating not completing the course it is highly recommended that you contact the Financial Aid Office at (808) 934-2712 or email them at wccfao@hawaii.edu ***BEFORE*** you withdraw to discuss the impact this decision may have on your financial aid eligibility.

LGBTQ+

The University of Hawaiʻi system and Windward Community College are committed to building an inclusive community that supports and advocates for all students, staff, and faculty. We welcome all members of our campus community to our campuses: transgender, māhū, and people of all gender identities. All members of our campus community deserve a work and educational environment free from harassment or bullying based on their sexual orientation, gender identity, or expression. For more information, see the University of Hawaiʻi Commission on LGBTQ+ Equality. Windward Community College Commissioner: Scott Sutherland, scottjks@hawaii.edu

Mental Health Counseling

Mental Health and Wellness at Windward Community College provides counseling services and activities on campus to support students' life goals as well as their academic goals. Information about services can be found at WCC Mental Health & Wellness.

Student Conduct Code

Windward Community College follows the University of Hawaiʻi Code of Student Conduct which defines expected conduct for students and specifies those acts subject to University sanctions. Students should familiarize themselves with the Code of Student Conduct since, upon enrollment at Windward Community College, they have placed themselves under the policies and regulations of the University and its duly constituted bodies. The disciplinary authority is exercised through the Office of the Vice Chancellor for Student Affairs. Copies of the Student Conduct Code are available at the Office of the Vice Chancellor for Student Affairs.

TRiO Program

The Federal TRiO Programs are educational opportunity outreach programs designed to motivate and support students from disadvantaged backgrounds. TRiO includes six outreach and support programs targeted to serve and assist low-income, first-generation college students and students with disabilities in progressing through the academic pipeline from middle school to post-baccalaureate programs. Information about services can be found at Windward CC TRiO.

Title IX - Sex Discrimination And Gender-Based Violence Resources

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:

Kalaʻikū Stephenson, UH System Confidential Advocate
Phone: (808) TBD
Email: advocate@hawaii.edu
Office: Hale Kākoʻo 103

Desrae Kahale, Mental Health Counselor & Confidential Resource
Phone: (808) 235-7393
Email: dkahale3@hawaii.edu
Office: Hale Kākoʻo 101

Mykie E. Menor Ozoa-Aglugub, J.D., Title IX Coordinator
Phone: (808) 235-7468
Email: mozoa@hawaii.edu
Office: Hale Kākoʻo 109

Karen Cho, Deputy Title IX Coordinator
Phone: (808) 235-7404
Email: kcho@hawaii.edu
Office: Hale ʻAlakaʻi 120

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, refer to the University's Title IX resources, and the Universityʻs Policy, EP 1.204.

UH Alerts

The UH Alert emergency notification system alerts the university community in the event of a natural, health or civil emergency. The information you provide will only be used in the event of an emergency that impacts the health and safety of the UH community or the closure of whole campuses. It will not be shared with others or used for routine UH communications or announcements. To sign up, visit UH Alerts for more information.