



UNIVERSITY of HAWAII  
**WINDWARD**  
COMMUNITY COLLEGE

## **Math 82: Algebraic Foundations**

**WWW**

CRN: 61061

4 Credits

**INSTRUCTOR:** Tiffany Hayler  
**OFFICE:** Manaopono 112  
**OFFICE HOURS:** TBA (Via Zoom)  
**TELEPHONE:** n/a.  
**EMAIL:** haylert@hawaii.edu  
**EFFECTIVE DATE:** Fall 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**

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. (4 hours lecture)

Pre-Requisite(s): Satisfactory 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**

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
5. mathematics in written and/or oral form

### **COURSE CONTENT AND TOPICS**

The following content and topics will be covered in this course:

- Linear Equations and Inequalities in One Variable
- Linear Equations and Inequalities in Two Variables
- Functions
- Systems of Linear Equations
- Exponents and Polynomials
- Factoring and Applications
- Rational Expressions and Applications
- Roots and Radicals
- Quadratic Equations

## REQUIRED MATERIALS

**Required Texts:** Algebra for College Students, 9<sup>th</sup> edition by Lial, Hornsby and McGinnis.

**Required technology:** Computer

**Required Online Tool:** Pearson MyLab Math online access code. IDAP link found via Laulima.

**Required Internet Connection:** Students need access to a strong internet connection.

**Recommended Tool:** (One of the following options)

- Tablet to complete the provided pdf lecture notes.
- Printer to print and complete the provided lecture notes. If you are unable to print, please email your instructor for other options.

## COURSE TASKS

### Weekly Section Reading

Students need to read the sections in the etext or textbook for each week before working on homework.

### 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. Late lecture notes will receive 2 pts.**

### 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 weekly quizzes via Laulima. Each quiz is an hour long and given via the MLM website. Students have only one attempt per quiz. Quizzes are due 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.

### Expected Weekly Study Time

It is expected that students spend, at the minimum, **12 hours per week** outside of class time studying, attending the Math Lab and/or TRiO for extra help, watching the lecture videos, completing the lecture notes and readings for this class.

## 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 at least 48 hours **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 82” then the nature of the email in the subject line of your email. Please allow for 48 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.

## 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 STUDENTS 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
Weekly MLM Quizzes	240pts	48%
MLM Homework	80pts	16%
Weekly Lecture Notes	80 pts	16%
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.

## 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](mailto:royinouy@hawaii.edu), or you may stop by Hale Kāko‘o 106 for more information.

## SEX DISCRIMINATION AND GENDER BASED VOILENCE RESOURCESS (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](mailto:advocate@hawaii.edu)  
Office: Hale Kāko‘o 110

Desrae Kahale, Mental Health Counselor & Confidential Resource  
Phone: (808) 235-7393  
Email: [dkahale3@hawaii.edu](mailto:dkahale3@hawaii.edu)  
Office: Hale Kāko‘o 101

Karla K. Silva-Park, Title IX Coordinator  
Phone: (808) 235-7468  
Email: [karlas@hawaii.edu](mailto: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/](http://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