



UNIVERSITY of HAWAII®  
**WINDWARD**  
COMMUNITY COLLEGE

## MATH 82 – ALGEBRAIC FOUNDATIONS

4 Credits (CRN 63075)

Online, Asynchronous

<b>INSTRUCTOR:</b>	Bethany Hopkins
<b>OFFICE:</b>	Hale Mana‘opono Room 112A
<b>OFFICE HOURS:</b>	Tuesdays 9:00-10:00 am via <a href="#">Zoom</a> , or by appointment
<b>TELEPHONE:</b>	(808) 236-9282
<b>EMAIL:</b>	<a href="mailto:hopkinsb@hawaii.edu">hopkinsb@hawaii.edu</a> (preferred method of communication. Please include Math 82 in the subject line)
<b>EFFECTIVE DATE:</b>	Fall 2022

### 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 the Ko‘olau region of O‘ahu 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 mathematics in written and/or oral form

Note: All SLO assessments are embedded in class activities, homework, quizzes, or exams.

### STUDENT RESPONSIBILITIES

- Have access to a reliable high-speed internet connection
- Have adequate computer skills

- Check Laulima daily
- Check school emails regularly
- Be self-motivated
- Set aside adequate study time

## COURSE TASKS AND GRADING

All grades and course materials will be accessed through Pearson MyLab Math and Laulima. The grade breakdown will be as follows:

Assignment	Percentage
Final Exam	10%
11 Quizzes	10%
MyLab Math (MLM) Homework	30%
4 Tests	40%
Forum Posts	10%
<b>Total</b>	<b>100%</b>

**If the student has achieved a minimum of 60% of the possible points for the final exam**, then a letter grade for the course will be assigned according to the level of achievement as provided in the table below:

A = 90%-100%

B = 80%-89%

C = 70%-79%

D = 60%-69%

F = 0%-59%

CR 70% or above of the cumulative points possible

NC Less than 70% of the cumulative points possible

W Official Withdrawal

I Incomplete

Note: CR/NC grades require written instructor consent. Students must apply for CR/NC grading option at the WCC Admissions Office by the posted deadline.

Note: The W grade is given only when the student officially withdraws from the course by the posted deadline.

Note: The I grade is a temporary grade given at the instructor's discretion when a student has failed to complete a small part of a course because of circumstances beyond his or her control. A student may qualify for the I grade if (a) they are unable to take the final exam and (b) taking the final exam could possibly raise their course grade.

## COURSE CONTENT

- 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

## LEARNING RESOURCES

### REQUIRED MATERIALS:

- **MyLab Math (MLM) via IDAP**

The MyLab Math (MLM) Online Program comes with the eBook *Algebra for College Students*, 9th edition, by Lial, Hornsby, & McGinnis. MLM registration will be through IDAP via the VitalSource link in Laulima.

*This course will be participating in the Bookstore's Interactive Digital Access Program (IDAP). Through this program, you will access your course material digitally, and it will be available to you by the first day of class.*

*A charge for the digital course material through IDAP will be added to your MyUH account.*

*You have the option to opt-out of receiving your course material through IDAP. By opting-out, you will lose access to the course material and the charge will be refunded on your MyUH account. If you do not opt-out, the charge will stay on your MyUH account. Any unpaid charges on your MyUH account will turn into a hold. Holds on your account will prevent you from accessing various services within the University.*

*You may opt-out by visiting your unique Inclusive Access Student Portal, which can be found in your IDAP welcome email (Subject Line: "IMPORTANT: You have enrolled in an IDAP Course").*

*For more information regarding IDAP, please contact your campus bookstore.*

### ADDITIONAL ONLINE LEARNING RESOURCES:

- Tutor.com: <https://windward.hawaii.edu/tutor.com/>
- The Math Lab: La'akea 220 <https://windward.hawaii.edu/services-for-students/tutoring/ka-piko/>
- Khan Academy Videos: <http://www.khanacademy.org>

## ADDITIONAL INFORMATION

**Attendance and Class Preparation:** This is an online class and students are expected to keep pace with the posted assignments. Students are expected to interact with the instructor and other members of this online class with professionalism. There will be no extra credit work. There will be a 10% grade deduction on any late assignment on MLM. All due dates are outlined on MLM.

**Final Exam:** There will be one cumulative computer-based final exam through MLM. Calculator use is **not** allowed for Math 82 exams. 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 exam is timed (3 hours). The exam is not proctored and can be taken on any computer. Handwritten work or scrap paper is required to be

submitted for the final exam on Laulima. No late final exams will be accepted for a grade. The final exam is due no later than December 16, 2022, at 11:59 PM.

**Quizzes:** There will be 11 weekly computer-based quizzes through MLM. The quizzes are scheduled every Friday except for holidays. The quizzes are timed (1 hour). The quizzes are not proctored and can be taken on any computer. You will have 2 attempts for each quiz, and I will take the highest score.

**Tests:** There will be 4 computer-based tests through MLM. Calculator use is not allowed for Math 82 tests. The tests are timed (2 hours). The tests are not proctored and can be taken on any computer. Handwritten work or scrap paper is required to be submitted for each test on Laulima.

**MLM Homework:** Computer-based homework is due through the MLM program. There will be a 10% grade deduction for problems submitted after the due date. The final date of submission for late homework is December 16, 2022. You have unlimited attempts at homework problems and your highest score will be saved.

**Forum Posts:** There will be 6 forum posts throughout the semester. The posts will open on Mondays and are due on Fridays. The forum posts are not math related, instead they are an opportunity for us to get to know each other. You are expected to post and reply to at least one other student to earn points.

## 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, [royinouye@hawaii.edu](mailto:royinouye@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](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

Karen Cho, Deputy Title IX Coordinator  
 Phone: (808) 235-7404  
 Email: [kcho@hawaii.edu](mailto:kcho@hawaii.edu)  
 Office: Hale ‘Alaka‘i 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, the University's Title IX resources and the University's Policy, Interim EP 1.204, go to [manoa.hawaii.edu/titleix/](https://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

### MATH 82 ONLINE – FALL 2022 – SCHEDULE

IMPORTANT DATES	
08/30/2022	Last day to register
08/30/2022	Last day to receive 100% tuition refund
09/13/2022	Last day to receive 50% tuition refund
09/13/2022	Last day to drop (No "W" on transcript)
10/31/2022	Last day to withdraw from class ("W" on transcript)

**This syllabus is subject to change at any time at the discretion of the instructor. Students are responsible for keeping current with changes made to this syllabus. Be sure to check your school email for class announcements.**

Week	Dates (Monday-Friday)	Assignments to Complete
1	8/22 – 8/26	Laulima: Read syllabus, Forum Post 1, connect to MyLab Math using VitalSource link MyLab Math: Tutorial, 1.1, 1.2, 1.3, Quiz #1
2	8/29 – 9/2	MLM: 1.4, 1.5, 2.1, 2.2, Quiz #2
3*	9/5 – 9/9	Laulima: Forum Post 2 MLM: 2.3, 2.4, 2.5, 2.6, Quiz #3
4	9/12 – 9/16	Exam 1 Review MLM: Exam 1

5	9/19 – 9/23	Laulima: Forum Post 3 MLM: 3.1, 3.3, 4.1, 4.2, Quiz #4
6	9/26 – 9/30	MLM: 4.3, 4.5, 4.6, Quiz #5
7	10/3 – 10/7	Exam 2 Review MLM: Exam 2
8	10/10 – 10/14	Laulima: Forum Post 4 MLM: 5.1, 5.2, 5.3, Quiz #6
9	10/17 – 10/21	MLM: 5.5, 6.1, 6.2, Quiz #7
10	10/24 – 10/28	MLM: 6.3, 6.4, 6.5, Quiz #8
11	10/31 – 11/4	Exam 3 Review MLM: Exam 3
12*	11/7 – 11/11	MLM: 7.1, 7.2, 7.3, Quiz #9
13	11/14 – 11/18	Laulima: Forum Post 5 MLM: 7.4, 7.5, 7.6, 8.1, Quiz #10
14*	11/21 – 11/25	MLM: 8.2, 8.4, 9.3, Quiz #11
15	11/28 – 12/2	Exam 4 Review Exam 4
16	12/5 – 12/9	Laulima: Forum Post 6 MLM: Final Exam Review
16**	12/10 – 12/16	MLM: Final Exam

\*\*The Final Exam must be completed by December 16<sup>th</sup>. No late final exams will be accepted for a grade.

\*Holidays:                   September 5th – Labor Day  
                                   November 11th – Veterans Day  
                                   November 24th-25th – Thanksgiving Recess