



UNIVERSITY of HAWAII®
WINDWARD
COMMUNITY COLLEGE

MATH 103 - College Algebra

4 credits

Online Asynchronous

INSTRUCTOR: Bethany Hopkins
OFFICE: Hale Mana‘opono Room 112A
OFFICE HOURS: By appointment
TELEPHONE: (808) 236-9282
EMAIL: hopkinsb@hawaii.edu (Preferred method of communication. Will respond within 24 hours, excluding weekends and holidays)
EFFECTIVE DATE: Summer Session II 2024 (July 1 - August 9, 2024)

This course space is being shared by students in the following CRNs [63024, 63026] and if you do not wish to be in a shared course space, please drop this section and register for another section or alternate course.

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 103 investigates linear equations, inequalities, systems of equations, polynomials, functions, fractional expressions and equations, exponents, powers, roots, quadratic equations and functions; rational, exponential and logarithmic functions.

Pre-Requisite(s): "C" or better in MATH 25, 26, 29, 82 or equivalent, satisfactory math placement test score, or consent of instructor.

STUDENT LEARNING OUTCOMES

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

1. Graph or interpret algebraic relations that are relevant to the topics in this course
2. Employ algebraic techniques to find the solutions to equations or inequalities, or systems of equations or inequalities appropriate to the level of this course
3. Use algebraic techniques to analyze and solve applied problems

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, or exams.

FOUNDATIONS QUANTITATIVE (FQ) REASONING HALLMARKS

Math 103 fulfills 4 credits of the General Education requirements (Foundations Quantitative Reasoning) for both an A.A. degree at WCC and a Bachelor's degree at 4 year UH institutions. Consequently, it meets the following hallmarks of the Quantitative Reasoning requirement:

1. Provide students with theoretical justifications for, and limitations of, mathematical or statistical methods, and the formulas, tools, or approaches used in the course.
2. Include the application of abstract or theoretical ideas and information to the solution of practical quantitative reasoning problems arising in pure and applied research in specific disciplines, professional settings, and/or daily and civic life.
3. Provide opportunities for practice and feedback that are designed to help students evaluate and improve quantitative reasoning skills by including a course component at least once per week with a maximum 30:1 student-to-teacher ratio.
4. Be designed so that students will be able to
 - a. Identify and convert relevant quantitative information into various forms such as equations, graphs, diagrams, tables, and/or words;
 - b. Select appropriate techniques or formulas, and articulate and evaluate assumptions of the selected approaches.
 - c. Apply mathematical tools and perform calculations (including correct manipulation of formulas);
 - d. Make judgments, create logical arguments, and/or draw appropriate conclusions based on the quantitative analysis of data, the assumptions made, the limitations of the analysis, and/or the reasonableness of results; and
 - e. Effectively communicate those results in a variety of appropriate formats.

STUDENT RESPONSIBILITIES

- Have access to a reliable high-speed internet connection
- Have adequate computer skills
- Check Lulima daily
- Check school emails regularly
- Be self-motivated
- Set aside adequate study time

NETIQUETTE GUIDELINES

- Be courteous in discussions
- Avoid offensive language
- Acknowledge diverse perspectives

- Watch this [video](#) for specific expectations on engagement, responding to peers, and maintaining a positive learning environment.

COURSE TASKS AND GRADING

Final Exam: There will be one cumulative computer-based final exam on MyLabMath (MLM). 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. Without such supporting work, the MyMathLab score will be reduced by 50% for the purpose of the course grade calculation. No late final exams will be accepted for a grade. The final exam is due no later than August 9, 2024 at 11:59 PM.

Tests: There will be 4 computer-based tests through MLM. The tests are timed (2 hours). The tests are not proctored and can be taken on any computer. You will have 2 attempts for each test, and I will take the highest score. Handwritten work is required to be submitted for the best attempt on each test on Laulima. Without such supporting work, the MLM score will be reduced by 50% for the purpose of the course grade calculation. To view individualized test feedback, click on "Submit Written Work" in Laulima, then click on the appropriate test, then scroll down to the bottom of the page where it says "Additional instructor's comments about your submission".

MLM Homework: Computer-based homework is due through the MLM program. There is no grade deduction for problems submitted after the due date, however, the proposed course calendar is meant to keep you on track. The final date of submission for late homework is August 9, 2024. You have unlimited attempts at homework problems and your highest score will be saved.

Forum Posts: There will be 3 forum posts throughout the semester which are located on Laulima's Discussions page. The posts will open on Mondays and are due on Fridays as indicated in the course calendar. 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. Past-due forums will not be re-opened for credit.

All grades can be accessed through the MLM Student Gradebook. To view your overall grade in the course, log in to our MyLab Math course and click on Student Gradebook in the left-side menu. The grade breakdown will be as follows:

Assignment	Percentage
Final Exam	20%
Tests (4 total)	40%
Homework	30%
Forum Posts (3 total)	10%
Total	100%

A letter grade for Math 103 will be assigned according to the level of achievement as provided 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

- A review of Basic Algebra including rational exponents, radicals, rational expressions, and factoring (*FS & FQ*)
- Equations and Inequalities including solving quadratic equations, complex numbers, linear and compound inequalities, absolute value equations and inequalities, and applications (*FS & FQ*)
- The Rectangular Coordinate System and Graphs of Equations including circles, linear functions, and algebra of functions (*FS & FQ*)
- Polynomial and rational functions (*FS & FQ*) Exponential and Logarithmic Functions (*FS & FQ*)
- Linear Systems (*FS & FQ*)

LEARNING RESOURCES & MATERIALS

REQUIRED MATERIALS:

- **Textbook: 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 Lialima.
- Scientific calculator (no graphing calculators may be used on tests)

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.

ACADEMIC SUPPORT & ADDITIONAL LEARNING RESOURCES

Learning resources:

- Symbolab: <https://www.symbolab.com>
- Wolfram Alpha: <http://www.wolframalpha.com>
- Desmos Graphing Calculator: <https://www.desmos.com>
- Khan Academy Videos: <http://www.khanacademy.org>
- Tutor.com: <https://windward.hawaii.edu/tutor.com/>

Academic Support on the WCC Campus:

- The Math Lab offers free peer tutoring to WCC students and is located in La‘akea 220. <https://windward.hawaii.edu/services-for-students/tutoring/ka-piko/>
- TRiO Student Support Services (TRiO SSS) is a federally funded program with the purpose of increasing retention, graduation, and transfer rates from two-year to four-year colleges/universities for low-income, first-generation, and/or disabled college students. <https://windward.hawaii.edu/services-for-students/tutoring/trio-sss/>

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. All due dates are outlined on MLM and the course calendar.

TECHNICAL SUPPORT

For any technical assistance, please contact our IT Help Desk at help@hawaii.edu. Make sure you have access to a reliable internet connection, a laptop or a desktop (a mobile device is not enough), and familiarity with emails, Web browsers, and uploading/downloading files. If you encounter any issues, don't hesitate to reach out for support.

Technological tools used in this course:

1. Lulima as a Learning Management system ([Lulima \(Sakai\) Accessibility](#) Info)
2. Pearson's [MyLab Math](#) for course assignments ([Accessibility Information](#))

ACADEMIC INTEGRITY

Work submitted by a student must be the student's own work. You are free to work with each other on homework, however, work on exams must be of your own merit. All cases of academic dishonesty are referred to the Vice Chancellor for Student Affairs. WCC Policies: <https://windward.hawaii.edu/Policies/>

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. Jodi Asato, Disabilities Counselor, can be reached at Hale Kako‘o 105, 808-235-7472, jodiaka@hawaii.edu.

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:

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

Leslie Cabingabang, UH System Confidential Advocate
 Phone/Text: (808) 348-0432 or (808) 341-0952
 Email: advocate@hawaii.edu
 Office: Hale Kāko‘o 107 (Wednesdays)

Mykie Ozoa-Aglugub
 Title IX Coordinator
 Hale Kāko‘o 109
mozoa@hawaii.edu
 808-235-7468

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 <https://manoa.hawaii.edu/titleix/>



I strongly uphold the University of Hawai‘i’s non-discrimination policy in my class. Any discriminatory acts or language on the basis of race, religion, sex, gender, gender identity, age, national origin, ancestry, disability, or sexual orientation will NOT be tolerated. We will maintain our classroom as a safe environment for all. [LGBTQ+ Equality | University of Hawaii System](#)

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

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.

COURSE CALENDAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
WEEK 1	July 1 (Class Begins) Forum Post 1 , R.2, R.4, 1.1	July 2 1.5, 1.6, 1.7	July 3 2.1, 2.2, 2.3	July 4 Holiday	July 5 2.4, 2.5, 2.6
WEEK 2	July 8 3.1, 3.2, 3.3, Exam 1 Review	July 9 Exam 1	July 10 4.1, 4.2, 4.3	July 11 4.4, 4.5, 4.6	July 12 5.1, 5.2, 5.3, 5.5
WEEK 3	July 15 Forum Post 2 , 6.1, 6.2, 6.3	July 16 6.4, 6.5, 6.6	July 17 Exam 2 Review	July 18 Exam 2	July 19 7.1, 7.2, 7.3
WEEK 4	July 22 7.4, 7.5, 7.6	July 23 7.7, 8.1, 8.2	July 24 8.3, 8.4, 8.5	July 25 Exam 3 Review	July 26 Exam 3
WEEK 5	July 29 9.1, 9.3, 10.3, 10.4	July 30 10.5, 10.6, 11.4	July 31 12.1, 12.3, 12.4	August 1 Exam 4 Review	August 2 Exam 4
WEEK 6	August 5 Forum Post 3	August 6	August 7 Final Exam Review	August 8	August 9 (Class ends) Final Exam