UNIVERSITY of HAWAI'I®
WINDWARD
COMMUNITY COLLEGE

MATH 103 – COLLEGE ALGEBRA

4 Credits (CRN 61123/61125)
MW 11:30am – 1:20pm in Mana'opono 115

INSTRUCTOR: Jody-Lynn Storm
OFFICE: Hale Mana'opono 105A
OFFICE HOURS: Monday & Wednesday 1:30-2:30pm
TELEPHONE: (808) 236 - 9277
EMAIL: jstorm@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 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

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

Prerequisites: "C" or better in MATH 25, 26, 29, 82 or equivalent

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.

FOUNDATION QUANITATIVE (FQ) REASONING HALLMARKS

Math 103 also fulfills 4 credits of the General Education requirements (Foundations Quantitative) for both the AA degree at WCC and a Bachelor's degree at UH Manoa. Consequently, it meets the hallmarks of the quantitative reasoning requirement.

The course will:

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 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-teaching 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;
    e. Effectively communicate those results in a variety of formats

COURSE CONTENTS

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

RESPONSIBILITIES OF STUDENTS

- Have access to a reliable internet connection
- Be self-motivated
- Set aside adequate study time

COURSE TASKS AND GRADING

Grades are posted in the Laulima Gradebook. Grades for this course are based on the following course tasks:

ASSIGNMENT	POINTS	TOTAL
2 Exams	100 pts each	200
1 Final Exam	100 pts	100
MLM Homework Assignments		200
In-Class Activities		100
Total		**600**

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

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

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 Admissions Office by the posted deadline. If a student does not apply for CR/NC grading option at the Admissions Office by the required deadline and if s/he does not withdraw, a letter grade (A, B, C, D, F, N) will be assigned for the course.

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.

REQUIRED MATERIAL

The MyLab Math (MLM) Online Program. MLM comes with the eBook *Algebra for College Students* 9th ed., 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 RESOURCES

WCC Resources

- Ka Piko Tutoring: https://windward.hawaii.edu/services-for-students/tutoring/ka-piko/

UH System Resources

- OLA (UH online tutoring program: http://manoa.hawaii.edu/ola/
- Tutor.com: https://windward.hawaii.edu/tutor.com/

Other Resources

- Desmos Calculator: https://www.desmos.com
- Khan Academy Videos: http://www.khanacademy.org

ADDITIONAL INFORMATION

Attendance

Although there are no points for attendance, there are points for class activities. You must be present to participate in class activities.

MyLab Math (MLM) Homework

Computer-based homework. Homework is typically due Mondays by 11:59 pm. There will be a 1% deduction per day for problems submitted after the due date. Final submission for homework will be the Sunday before finals week.

Class Activities

Class activities are worth a total of 100 points. You must be present to participate in class activities. There are no make-ups for class activities.

Extra Credit

The end of semester student survey (CES) is worth 10 points of extra credit.

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 can be reached at (808) 235-7448, jodiaka@hawaii.edu, or you may stop by Hale Kākoʻo 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:

Desrae Kahale ***Confidential Resource***
808-235-7393
dkahale3@hawaii.edu

Jojo Miller, ***Confidential Campus Advocate***
808-348-0663
jojo.miller@hawaii.edu

Leslie Cabingabang ***Senior Confidential Advocate***
808-348-0432
leslie.cabingabang@hawaii.edu

To file a report online: https://report.system.hawaii.edu/student

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: Alakaʻi 121
- Phone: (808) 235-7422

SCHEDULE

IMPORTANT DATES	
Aug 29	Last day to register & and drop with 100% refund of tuition
Sep 12	Last day to withdraw without a "W" grade and to receive 50% refund of tuition
Oct 30	Last day to withdraw with a "W" grade or to choose CR/NC grade option.

	MONDAY		WEDNESDAY
Aug 21	Orientation, R.2	Aug 23	R.4, 1.1
Aug 28	1.5, 1.6	Aug 30	1.7, 2.1
Sep 4	**No Class - Labor Day**	Sep 6	2.2, 2.3
Sep 11	2.4, 2.5	Sep 13	2.6, 3.1
Sep 18	3.2, 3.3	Sep 20	4.1, 4.2
Sep 25	Exam 1 Review	Sep 27	Exam 1
Oct 2	4.3, 4.4	Oct 4	4.5, 4.6
Oct 9	5.1, 5.2	Oct 11	5.3, 5.5
Oct 16	6.1, 6.2	Oct 18	6.3, 6.4
Oct 23	6.5, 6.6, 7.1, 7.2	Oct 25	7.3, 7.4, 7.5
Oct 30	7.6, 7.7, 8.1	Nov 1	8.1, 8.2
Nov 6	Exam 2 Review	Nov 8	Exam 2
Nov 13	8.4, 8.5	Nov 15	9.1, 9.3
Nov 20	10.2, 10.3	Nov 22	10.4, 10.5
Nov 27	10.6, 11.4	Nov 30	12.1, 12.3
Dec 4	112.4	Dec 6	Final Exam Review
Dec 11		Dec 13	Final Exam