



MATH 100 - SURVEY OF MATHEMATICS

3 Credits (CRN 64249)

TR 1:00pm – 2:15pm in Mana'opono 115

INSTRUCTOR:	Jody-Lynn Storm
OFFICE:	Hale Mana'opono 105A
OFFICE HOURS:	TBA
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EFFECTIVE DATE:	Fall 2024

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

An introduction to quantitative and logical reasoning for the nonscience/nonmathematics major. The question, "What is mathematics?" is explored, while focusing on mathematical systems or models, cultivating an appreciation for mathematics as an aesthetic art, and developing skills in problem solving and analysis. (3 hrs. lect.)

Pre-Requisite(s): C or better in MATH 25, 26, 28, 29, 75X or higher or equivalent, co-requisite enrollment in Math 78, 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. Utilize basic properties and/or operations related to the topics covered in the course
2. Employ symbolic/mathematical techniques to solve applied problems
3. 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

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

COURSE TASKS AND GRADING

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

Assignments	Total Points
Final	40
Quizzes 5 @ 20 points each	100
Homework about 27 @ 2 points each	54
Class Activities about 25 @ 2 points each	50
Total	244

Grades are determined by the following scale:

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

- Logic
- Probabilities
- Statistics
- Personal Finance

LEARNING RESOURCES

REQUIRED MATERIALS:

- **Textbook:** Contemporary Mathematics, Provided by college.
- **Basic scientific calculator:** classroom set available for class use only

ADDITIONAL LEARNING RESOURCES:

- Ka Piko Tutoring: <https://windward.hawaii.edu/services-for-students/tutoring/ka-piko/math-lab/>
- Tutor.com: <https://windward.hawaii.edu/tutor.com/>
- Khan Academy Videos: <http://www.khanacademy.org>

ADDITIONAL INFORMATION

Attendance and Class Participation

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

Final Exam/Project: There will be one final exam worth 40 points.

Homework: Homework will be assigned from the textbook. Each homework section is worth 2 points.

Class Activities: Class activities are worth 2 points each. You must be present to participate in class activities.

Extra Credit: CES Survey - 5 points of extra credit for completing the end-of-semester student survey.

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, 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:

Leslie Cabingabang, UH System Confidential Advocate
 Phone/Text: (808) 348-0432 or (808) 341-4952
 Email: advocate@hawaii.edu
 Office: Hale Kāko'o 107 (Wednesdays)

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

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

Karen Cho, Deputy Title IX Coordinator
 Phone: (808) 235-7404
 Email: 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/

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

FOUNDATIONS QUANTITATIVE (FQ) REASONING HALLMARKS

Math 100 fulfills 3 credits of the General Education requirements (Foundations: Quantitative) for both an A.A. degree at WCC and a Bachelor's degree at 4 year UH institutions. Consequently, it meets the following hallmarks:

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-teacher ratio.
4. Be designed so that student 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.

IMPORTANT DATES & SEMSTER SCHEDULE

IMPORTANT DATES

09/03/2024	Last day to register and to receive 100% tuition refund
09/17/2024	Last day to receive 50% tuition refund and to drop with no "W" on transcript
11/04/2024	Last day to withdraw from class ("W" on transcript)

	TUESDAY		THURSDAY
AUG 27	Orientation, 2.1	AUG 29	2.2
SEP 3	2.3	SEP 5	2.4
SEP 10	2.5	SEP 12	2.6, Quiz 1
SEP 17	2.6, 2.7	SEP 19	7.1
SEP 24	7.2	SEP 26	7.3, Quiz 2
OCT 1	7.3, 7.4	OCT 3	7.5
OCT 8	7.6	OCT 10	7.6, Quiz 3
OCT 15	7.7	OCT 17	7.8
OCT 22	7.9	OCT 24	7.9, Quiz 4
OCT 29	8.1	OCT 31	8.2
NOV 5	No Class - Election Day	NOV 7	8.3, Quiz 5
NOV 12	8.3, 8.4	NOV 14	8.5
NOV 19	8.6	NOV 21	8.7, Quiz 6
NOV 26	8.7, 6.6	NOV 28	No Class - Thanksgiving Day
DEC 3	6.7	DEC 5	6.8, Quiz 7
DEC 10	6.8, 6.9	DEC 12	final review
DEC 17	Final	DEC 19	