



### **MATH 100 - SURVEY OF MATHEMATICS**

3 Credits (63087) - WCCC

Tue, Wed, Thu 9:00-11:00am \*

<b>INSTRUCTOR:</b>	Jody-Lynn Storm
<b>OFFICE:</b>	Hale Mana'opono 105A, Windward Community College
<b>OFFICE HOURS:</b>	As needed during scheduled class meetings
<b>TELEPHONE:</b>	(808) 236 – 9277
<b>EMAIL:</b>	<a href="mailto:jstorm@hawaii.edu">jstorm@hawaii.edu</a>
<b>EFFECTIVE DATE:</b>	Summer 2024

\* Classes July 16-18 will be at night from 6:30-8:00pm

### **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

- Be self-motivated
- Set aside adequate study time

## COURSE TASKS AND GRADING

The grade breakdown will be as follows:

Assignments	Total Points
Quizzes – 4 @ 25 pts each	100
Homework (5 pts each)	~100
Class Activities (5 pts each)	~100
<b>Total</b>	<b>~ 300</b>

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 WinCC 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
- Algebra: Graphs and Functions
- Personal Finance
- Probabilities
- Statistics

## LEARNING RESOURCES

### REQUIRED MATERIALS:

- **Textbook:** *Thinking Mathematically* 7<sup>th</sup> ed., by Blitzer (provided by institution)
- **Basic scientific calculator** (provided by institution)

## ADDITIONAL INFORMATION

### Attendance

Although there are no points for attendance, there are points for class activities.

**Quizzes:** There will be 5 weekly quizzes at 25 points each. The lowest quiz score will be dropped.

**Homework:** Written homework will be assigned from the textbook. Each homework assignment is worth 5 points.

**Class Activities:** Class activities are worth 5 points each. You must be present to participate in class activities. There are no make-ups for class activities.

**Extra Credit:** 5 points of extra credit for completing the end-of-semester optional 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. Jodi Asato, Disabilities Counselor, can be reached at (808) 235-7472, [jodiaka@hawaii.edu](mailto:jodiaka@hawaii.edu), or you may stop by Hale Kākoʻo 105 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](mailto:advocate@hawaii.edu)  
 Office: Hale Kākoʻo 107 (Wednesdays)

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

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/](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

#### **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 a 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

7/2/2024	Last day to register
7/2/2024	Last day to receive 100% tuition refund
7/8/2024	Last day to receive 50% tuition refund
7/8/2024	Last day to drop (No "W" on transcript)
7/25/2024	Last day to withdraw from class ("W" on transcript)

TENTATIVE SCHEDULE – SUBJECT TO CHANGE		
TUESDAY	WEDNESDAY	THURSDAY
JUL 2 (9-11am) Orientation, 3.1, 3.2	JUL 3 (9-11am) 3.3, 3.4	JUL 4 (9-11am) Holiday – no class
JUL 9 (9-11am) 3.5, 3.6	JUL 10 (9-11am) 3.7, Ch7	JUL 11 (9-11am) Quiz 1
JUL 16 (6:30-8pm) 8.5, 8.6	JUL 17 (6:30-8pm) 8.7, 11.1	JUL 18 (6:30-8pm) Quiz 2
JUL 23 (9-11am) 11.2, 11.3	JUL 24 (9-11am) 11.4, 11.5	JUL 25 (9-11am) Quiz 3
JUL 30 (9-11am) 11.6, 11.7	JUL 31 (9-11am) 12.1, 12.2	AUG 1 (9-11am) Quiz 4
AUG 6 (9-11am) 12.3, 12.4	AUG 7 (9-11am) 12.5	AUG 8 (9-11am) Quiz 5