



Math 100 A Survey of Mathematics

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3 Credits (CRN 64028) Asynchronous WWW

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

Math 100: Survey of Mathematics (3 credits)

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.

Pre-Requisite(s): C or better in MATH 25, 26, 28, 29, 75X or higher 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. 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.
4. Use scientific and graphing calculators and spreadsheets to solve problems

COURSE CONTENT

Key Concepts: These are selected from the vast array of mathematical concepts by the WCC Math department.

- **Algebra: Modeling, Graphs and Functions**
- **Personal Finance: Key Basic Concepts and Formulas**
- **Logic and Critical thinking**
- **Combinatorics: Counting Techniques**
- **Probability and The Scientific Method**
- **Statistics: Basic Concepts for gaining knowledge from Data**

Some advice for Success in this course :

1. a positive, inquiring attitude towards mathematics
2. watching the companion videos that provide insights into the why and how of mathematics
3. setting aside adequate time for studying and working of problems;
4. reading the text carefully and making use of other learning materials whenever necessary;
5. seeking assistance from the instructor and the Math Lab personnel whenever necessary;
6. completing assignments by the designated date;

ASSESSMENT

Written Assignments:	100 pts
Homework: MyLab Math homework is assigned for each class lecture.	600 pts
Chapter Exams. There are 4 online chapter exams.	200 pts
Final Exam. The online final exam (comprehensive)	100 pts
Total possible	1000 pts

Course grade. The letter grade for the course will be assigned according to the level of achievement as provided below:

GRADE DEFINITION

A 90% - 100% of the total possible points

B 80% - <90% of the total possible points

C 70% - <80% of the total possible points

D 60% - <70% of the total possible points

F < 60% of the total possible points

Cr 70% - 100% of the total possible points

NC <70% of the total possible points

Note: Students must apply for the Cr/NC grading option at the Admissions Office. Consult the WCC Catalog for deadlines.

Note: W grade is given only when the student officially withdraws from the course at the Admissions Office. Consult the WCC Catalog for deadlines

LEARNING RESOURCES

Required Text: Thinking Mathematically, 7th edition, by Blitzer (This comes as an etext with MyLab Math.)

MyLab Math Access: Use the **VitalSource for UH** to activate the link to your **MyLab Math**.

For **CRN 64028** use the **MyLab Math** class ID **garry64**

See the Getting Started Video for detailed instructions.

Required Calculators: The Desmos scientific calculator and the Desmos graphing calculator. These are **free** and may be found in the **Resources** menu.

Online Office Hours: Every Tuesday and Thursday at 10:00 AM

To join the Zoom Meeting use the link emailed to you before 10:00 each Office meeting time.

TRiO: Hale Kāko‘o 116

The Math Lab: La‘akea 220

UH Manoa Online Learning Academy: manoa.hawaii.edu/ola/

Math Tutorial Videos: <https://windward.hawaii.edu/jitmath/index.php>

Tutor.com: 24/7 online tutoring that connects students one-to-one with a subject expert tutor

DISABILITIES ACCOMMODATIONS

The Windward Community College’s Disability Student Services Office (WCC-DSSO) is committed to providing equal access to qualified students with disabilities.

If you have a physical, sensory, health, cognitive, or mental health disability that could limit your ability to participate fully in this class, you are encouraged to contact the Disability Specialist Counselor, Roy Inouye, to discuss reasonable accommodations that will help you succeed in this class. The Disabilities Counselor can be reached at 808-235-7448, wccdsso@hawaii.edu, or stop by the office (Hale Kako‘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)

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

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

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/