



MATH 75X Fall 2022

Tuesdays and Thursdays 8:00am-9:50am

CRN: 62290

4 Credits

INSTRUCTOR: Tiffany Hayler
Zoom OFFICE: Zoom Link Posted to Lulima
OFFICE HOURS: M-F by appointment, email instructor to set up a meeting time.
EMAIL: haylert@hawaii.edu
EFFECTIVE DATE: Fall 2022

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 O'ahu's Ko'olau region and beyond with liberal arts, career and lifelong learning in a supportive and challenging environment — inspiring students to excellence.

Catalog Description

This course prepares students for MATH 100, MATH 101, MATH 111, and MATH 115. Course topics include ratio and percent, unit conversion, graphs, data interpretation, basic algebra, solving linear equations, and working with formulas with special emphasis on pattern recognition and problem solving. Additional topics may include set theory, inequalities, and quadratics. (4 hours lecture).

Student Learning Outcomes

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

1. Solve applied mathematical problems, judge reasonableness of results, and communicate conclusions using appropriate terminology and symbols
2. Recognize and express mathematical patterns in various forms and contexts
3. Perform operations on real numbers
4. Utilize precise mathematical language and symbols to effectively communicate mathematics in written and/or oral form.

Email and Lailima Website Communication in This Course

As this course is online, it is important to check in with class content **daily**. You are responsible for checking your UH email regularly for important announcements.

Course Content

- Number Sense
 - a) Introduction to Problem Solving
 - b) Comparisons and Proportional Reasoning
- Variable Sense
 - a) Symbolic Rules and Expressions
 - b) Solving Equations
 - c) More Problem-Solving Using Algebra
- Function Sense and Linear Equations
 - a) Function Sense
 - b) Introduction to Linear Functions
 - c) Linear Regressions, Systems, and Inequalities
- Introduction to Nonlinear Problem Solving
 - a) Mathematical Modeling Involving Polynomials
 - b) Problems Solving with Quadratic Equations and Functions

Course Tasks

Tuesday Thursday Class and Lecture Notes

Class is on Tuesdays and Thursdays in Manaopono 101 from 8:00am-9:50am. During class students will take lecture notes and need to turn in the lecture notes by the end of the week, for each weeks sections. Each section is worth 5pts.

Weekly Homework via MLM Pearson

There will be homework due each week on Fridays at 11:59pm. Students can still earn 80% back on problems completed after the due date.

Chapter Exams

There will be 4 Chapter Exams, each worth 50 points. Students have the opportunity to retest within a given retest deadline. The higher score is kept.

Quizzes open at least one week before it is due, and close on Friday's at 11:59pm, at the end of their respective weeks.

Final Exam

The final exam will be given via MLM, it is cumulative and will be 2hrs long. There are no retests or makeups for the final exam.

It is expected that students spend, at the minimum, **24 hours per week** outside of class time studying, attending the Math Lab and/or TRiO for extra help, and doing homework and readings for this class.

Required Materials

Required MLM Pearson Access and eText: Click the link on Lualima that says “MLM Book & Homework” this will take you to a tab that allows you to purchase the etext and MLM course access for around \$60. The book title is “Mathematics in Action: An Introduction to Algebraic, Graphical, and Numerical Problem Solving.”

Required Technology Tools: Computer/Laptop, TI-83, TI-83+, or TI-84+ calculator. (Graphing Calculator)

Required Internet Connection: Students need access to a strong internet connection. Students can rent laptops and calculators from the WCC library.

Learning Resources

WCC Math Tutoring Zoom: <https://windward.hawaii.edu/services-forstudents/tutoring/kahttps://windward.hawaii.edu/services-for-students/tutoring/ka-piko/mathlab/piko/math-lab/>

UH Manoa Online Learning Academy: <http://manoa.hawaii.edu/ola/> **Brainfuse:** <http://windward.hawaii.edu/Brainfuse/>

Khan Academy: <https://www.khanacademy.org/> Free online lessons and practice.

TRiO: <https://windward.hawaii.edu/services-for-students/tutoring/trio-sss/>

Responsibilities for Student Success in this Course

Success in this course will be enhanced by:

1. A positive, inquiring attitude toward mathematics.
2. Setting aside adequate time for studying, working on problems, and careful cogitation of the material.
3. Reading the text carefully and making use of other learning materials whenever necessary.
4. Seeking assistance from the instructor, tutors and the Math Lab whenever necessary.
5. Regularly attending class and, notifying the instructor of an absence and responsibly obtaining and completing assignments by the designated date.

Assessment and Grading

Grades for this course are based on the following course tasks:

| Assignment | Point Worth | | Grade Percentage |
|----------------------------|--------------|--------|------------------|
| Four Chapter Quizzes | (50pts each) | 200pts | 40% |
| MLM Homework | | 125pts | 25% |
| Lecture Notes (% of total) | | 75pts | 15% |
| Final Exam | | 100pts | 20% |
| Total: | | 500pts | 100% |

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

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 |
| W | Official Withdrawal |
| IN | Incomplete |

Incomplete - given when a student has failed to complete a SMALL part of the course due to circumstances beyond his/her control.

Note: To receive a W grade a student must officially withdraw from the course before the posted deadline on the UH academic calendar for the current semester.

Additional Information

- **MAKE-UP POLICY: There are no make-up opportunities for quizzes or exams.**
Communicate with your instructor in a timely manner if a crisis occurs that keeps you from participating in the course. If you are unable to take an exam during the specified exam window, email the instructor **before** the exam period begins to inform them of this. It may be possible for you to take the exam earlier than the specified day/time. Be sure to include the reason for not being able to take the exam. If you do not notify the instructor or if you do not have a justifiable reason, you will receive a score of 0 for that exam.
- **EMAIL:** Be sure to put “Math 75X” then the nature of the email in the subject line of your email. Please allow for 24 hrs to pass before sending a follow up email.
- **FINAL EXAM:** The final exam is cumulative. This means any problem or concept from any of the sections may be included in the final exam.
- **HELP:**
The course instructor is your main human resource for help when you need help with the course material. There are also online help resources available and the Windward Community College Math Lab, online via Zoom. PLEASE seek help immediately if you are still lost or confused about the material after reading the sections and watching the lectures.

Academic Honesty

You may not consult with any classmates or outside resources while taking quizzes or exams. You are **not** allowed to tell a classmate the kind of questions on a quiz or exam or help a classmate in any way (e.g. by explaining how to solve the problem). Evidence of cheating will result in a score of 0 for all parties involved. An “F” will be assigned to students involved in **cheating** and will be reported to the Dean. Please keep in mind that you are being assessed for your own knowledge and understanding of the concepts and strategies.

Any evidence of plagiarism will result in a score of 0 for all parties involved. If plagiarism persists, then an “F” will be assigned to the students involved in **plagiarism** and will be reported to the Dean.

All students are required to follow the Student Conduct Code described at <http://www.hawaii.edu/policy/?action=viewPolicy&&policySection=ep&policyChapter=7&policyNumber=208>

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:

Jojo Miller, Confidential Advocate

Phone: (808) 348-0663

Email: advocate@hawaii.edu

Office: Hale Kāko‘o 110

Desrae Kahale, Mental Health Counselor & Confidential Resource

Phone: (808) 235-7393

Email: dkahale3@hawaii.edu

Office: Hale Kāko‘o 101

Karla K. Silva-Park, Title IX Coordinator

Phone: (808) 235-7468

Email: karlas@hawaii.edu

Office: Hale ‘Ākoakoa 220

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