



UNIVERSITY of HAWAII
WINDWARD COMMUNITY COLLEGE

Ke Kulanui Kaiāulu o ke Ko'olau

Math 112 Mathematics for Elementary Teachers II

Fall 2024

3 Credits | CRN 64129

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.

Instructor Information

How to Contact Your Instructor

Bethany Hopkins

Office: Hale Mana'opono 112A Office Phone: (808)236-9282

Office Hours: Monday 9-11 am ([Zoom](#)), Friday 10:30-11:30 am (in person), & by appointment

Email: hopkinsb@hawaii.edu

ZOOM: <https://hawaii.zoom.us/j/96724394576>

About

Aloha, I'm Bethany Hopkins, your instructor for this course. I'm thrilled to embark on this learning journey with you. Feel free to reach out to me via email for any questions or concerns. I will respond within 24 hours, excluding weekends and holidays.

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

Course Information

Catalog Description

Math 112 is the second of a two-course sequence designed to give prospective elementary education majors the depth of understanding necessary to teach mathematics in the elementary classroom. Topics include the representation of and operations on the natural numbers and properties of those operations. Emphasis will be on communication, connections and problem solving, representations and reasoning.

Pre-Requisite(s): Grade of "C" or better in MATH 111

Activities Required at Scheduled Times Other than Class Times

MyLab Math is an online learning resource. Every week you will be assigned online assignments through MyLab Math. Most exercises include learning aids, such as guided solutions, sample problems, and extra help as you're working through them, and they offer helpful feedback when you enter incorrect answers. A variety of multimedia resources are also available in the homework exercises. You can link to the ebook, video clips, and animations to improve your understanding of key concepts.

Student Learning Outcomes

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

1. Use mathematical concepts to demonstrate critical thinking
2. Employ appropriate techniques to solve problems related to elementary math education
3. Utilize precise mathematical language and symbols to effectively communicate mathematics in written and/or oral form

Foundations Quantitative Reasoning Hallmarks

Math 112 fulfills 3 credits of the General Education requirements (Foundations Quantitative Reasoning) for both an A.A. degree at WCC and a Bachelor's degree at 4 year UH institutions. Consequently, it meets the following hallmarks of the Quantitative Reasoning requirement:

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

Required Materials

MyLab Math (MLM) via IDAP:

The MyLab Math (MLM) Online Program comes with the eBook *A Problem Solving Approach to Mathematics for Elementary School Teachers* by Billstein, Libeskind and Lott, 13th edition. 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. Please note that if you took Math 111 during the Fall 2024 semester, you will only be charged one time since we use the same textbook for Math 112.

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.

Learning Resources

- Symbolab: <https://www.symbolab.com>
- Wolfram Alpha: <http://www.wolframalpha.com>
- Desmos Graphing Calculator: <https://www.desmos.com>
- Khan Academy Videos: <http://www.khanacademy.org>
- Tutor.com: <https://windward.hawaii.edu/tutor.com/>

Academic Support on the WCC Campus

- The Math Lab offers free peer tutoring to WCC students and is located in La'akea 220. <https://windward.hawaii.edu/services-for-students/tutoring/ka-piko/>
- TRiO Student Support Services (TRiO SSS) is a federally funded program with the purpose of increasing retention, graduation, and transfer rates from two-year to four-year colleges/universities for low-income, first-generation, and/or disabled college students. <https://windward.hawaii.edu/services-for-students/tutoring/trio-sss/>

Course Format

This is an 8-week online asynchronous course that begins on 10/21/24 and ends on 12/13/24. Students independently watch lecture videos in order to complete homework sets and quizzes. Discussion forums are a large part of this course. Students post within the discussion forums and are expected to reply to their classmates' posts. After the completion of each unit, a review and an exam will be conducted.

Course Technology

Laulima Learning Management System

- [Laulima \(Sakai\) Accessibility](#)
- Laulima will be unavailable daily from 3:00 am-4:00 am HST for server backup and maintenance.
- Laulima automatically logs you out *if it does not detect activity for two hours*. A warning message will appear, notifying you of the lack of activity. Activity is defined as clicking a button in Laulima, such as "Save Draft" or "Next" (in a test), clicking on a course tab, or taking an action that sends information to the server.

Regular Substantive Interaction

Online courses at Windward Community College follow these guidelines for ensuring quality instruction: [RSI Definition-WCC](#).

Participation Verification

Campuses are required by federal regulations to verify the participation of students in their classes. In accordance with [Executive Policy 7.209](#), all students in the University of Hawai'i system are required to establish "participation" to ensure that they are not dropped from their class(es). Students who fail to participate by the late registration period for a class will be administratively dropped from that class. Students may also be dropped from dependent prerequisite and/or corequisite classes if both courses do not establish participation.

Grading Policy

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

| GRADE | DEFINITION |
|-------|--|
| A | 90% - 100% of the total possible points |
| B | 80% - 89% of the total possible points |
| C | 70% - 79% of the total possible points |
| D | 60% - 69% of the total possible points |
| F | Less than 60% of the total possible points |
| Cr | 70% - 100% of the total possible points |
| NC | Less than 70% of the total possible points |
| I | Incomplete |
| W | Official Withdrawal |

Percentage Breakdown:

| | |
|--------------------------|------|
| MyLab Math Homework | 30% |
| Discussions | 10% |
| Quizzes | 10% |
| Presentation Reflections | 20% |
| Tests | 20% |
| Final Exam | 10% |
| Total: | 100% |

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.

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.

Assessment Tasks and Grading

Students will demonstrate competency in the objectives by completing and turning in all assignments as requested, by taking unit tests, and by taking a final exam over concepts and skills covered in the entire course.

Unless permission is granted by the instructor beforehand, assignments and tests must be completed and submitted to the instructor at the specified date and time. Due dates fall on Wednesdays and Sundays. The only exception is the last week where the final exam must be completed by **Friday, December 13th**.

Grading on Homework, Quizzes, or Tests: To receive full marks for problems done on any graded activity, you must show your work neatly and completely as well as provide clear written explanations when it is asked for. Partial credit may be awarded.

MyLab Math: Homework sets will be graded on a 0 - 10-point scale. There are unlimited attempts for each question. Assignments are to be completed by the assigned due date.

Discussions: Every week there will be at least one discussion through Laulima. Each discussion will be graded on a 0 - 10-point scale. You will need to reply to the main discussion topic.

Quizzes: Quizzes will be graded on a 0 - 10-point scale through MyLab Math. The quizzes will be timed and will consist of a few questions from the lessons. There are 3 attempts for every quiz and the best score is saved.

Teacher Presentation Reflections: There will be three (3) teacher presentations to watch throughout the term. The presentations are pre-recorded on YouTube. There will be a reflection assignment for each presentation. Each reflection will be graded on a 0-10 point scale.

Tests: Each test will have a 100-minute time limit and will be scored on a 100-point scale. Scheduled test dates are located on the course calendar. There are no retests. Handwritten work is required to be submitted for each test on Laulima. Without such supporting work, the MLM score will be reduced by 50% for the purpose of the course grade calculation. To view individualized test feedback, click on "Submit Written Work" in Laulima, then click on the appropriate test, then scroll down to the bottom of the page where it says "Additional instructor's comments about your submission".

Showing and Submitting Work for Tests: On paper, in a notebook, or digitally, please show all your work in an organized, orderly fashion and number each question. After you submit a test through MyLab Math, you must immediately upload your work as a single PDF to Laulima. You're welcome to use a scanner. There are also many apps that can create PDFs using your phone. Submitting your written work allows me to give you partial credit for problems you did incorrectly. Your work is also what earns you credit. If you don't show meaningful work, points will be deducted even if you get the answer correct.

Test Reviews: Prior to tests, students will be assigned a test review as preparation. This test review must be at least 90% complete on the day of the test in order to take the test.

Final Exam: The final exam will cover the concepts and skills in the entire course. The final exam is 2 hours in length and will be scored on a 100-point scale. There is no retest. There is no make-up.

Handwritten work or scrap paper is required to be submitted for the final exam on Laulima. Without such supporting work, the MyMathLab score will be reduced by 50% for the purpose of the course grade calculation. No late final exams will be accepted for a grade. The final exam is due no later than **December 13, 2024, at 11:59 PM.**

Weekly Assignments

The dates displayed are the due dates. You should start on the assignments at least a few days prior to the due date.

| | Wednesday | Sunday |
|-------------|---|--|
| Oct | 23 Read Syllabus, Connect to MyLab Math, MyLab Math Tutorial | 27 Discussion Post #1, 2.2, Quiz #1 |
| Oct/ Nov | 30 Discussion Post #2 2.3, Quiz #2 | 3 Unit 1 Review Unit 1 Test |
| Nov | 6 Discussion Post #3 4.2, Quiz #3 | 10 Teacher Presentation #1 4.3, Quiz #4 |
| Nov | 13 Unit 2 Review Unit 2 Test | 17 Discussion Post #4 6.2, Quiz #5 |
| Nov | 20 Discussion Post #5, Teacher Presentation #2 6.3, Quiz #6 | 24 Unit 3 Review Unit 3 Test |
| Nov/ Dec | 27 7.5, Quiz #7 | 1 8.1, Quiz #8, Discussion Post #6 |
| Dec | 4 Teacher Presentation #3 14.2, 14.3, Quiz #9 | 8 Discussion Post #7 13.1, Quiz #10 |
| Dec | 11 Unit 4 Review Unit 4 Test | Friday, Dec 13, 2024 Final Exam Review Final Exam |

Academic Integrity

Work submitted by a student must be the student's own work. The work of others should be explicitly marked, such as through the use of quotes or summarizing with reference to the original author.

In this class, students who commit academic dishonesty, cheating, or plagiarism will have the following consequence(s):

Students will receive a failing grade for plagiarized assignments.

All cases of academic dishonesty are referred to the Vice Chancellor for Student Affairs.

[Windward CC Student Conduct Information](#)

[UH System Student Conduct Policy EO 7.208](#)

Student Responsibilities

- Have access to a reliable high-speed internet connection
- Have adequate computer skills
- Check Lulima daily
- Check school emails regularly
- Be self-motivated
- Set aside adequate study time
- Students may check the [Student Notifications](#) page on the website for canceled classes
- Netiquette Guidelines:
 - Be courteous in discussions
 - Avoid offensive language
 - Acknowledge diverse perspectives
 - Watch this [video](#) for specific expectations on engagement, responding to peers, and maintaining a positive learning environment.

How to Seek Academic or Technical Support

Academic Support

- [Windward Community College Library](#)
- [Library eResources](#)
- [Ka Piko Writing Lab](#)
- [Ka Piko Speech Lab](#)
- [Ka Piko Math Lab](#)
- [Evening and Online Learning at Windward Community College](#)
- [STAR Balance](#)

Technical Support

- [UH ITS Help Desk](#) – email help@hawaii.edu or call 956-8883 (or 1-800-558-2669) for Lulima and most technology support. Available 24 hours a day, 7 days a week, including holidays.
- Student Tech Support - email winhelp@hawaii.edu, call 808-235-7437, or stop by in person at Hale La'akea 228. Available Monday–Friday from 8:00 am–4:00 pm.
- Lulima – Click on the [Request Assistance](#) link at the bottom of any Lulima Page to fill out and submit a question and get your answer via email.

- [Information Security for Students](#)

College Policies & Support Services

Disabilities Accommodations Statement

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.

Basic Needs

Basic needs include food and housing, childcare, mental health, financial resources, and transportation. Student basic needs security is critical for ensuring strong academic performance, persistence and graduation, and overall student well-being. If you or someone you know is experiencing basic needs insecurity, please see the [UH System Basic Needs website](#).

Mental Health Counseling

Mental Health and Wellness at Windward Community College counseling services and activities on campus to support students' life goals as well as their academic goals. Information about services can be found at the [WCC Mental Health & Wellness website](#).

UH Alerts

The UH Alert emergency notification system alerts the university community in the event of a natural, health or civil emergency. The information you provide will only be used in the event of an emergency that impacts the health and safety of the UH community or the closure of whole campuses. It will not be shared with others or used for routine UH communications or announcements. To sign up, visit [UH Alerts website](#) for more information.

Financial Aid

If you are receiving financial aid and are contemplating not completing the course, BEFORE you withdraw, it is highly recommended that you contact the Financial Aid Office at 808-934-2712 or email them at wccfao@hawaii.edu to discuss the impact this decision may have on your financial aid eligibility.

Student Conduct Code

Windward Community College follows the University of Hawai'i Code of Student Conduct which defines expected conduct for students and specifies those acts subject to University sanctions. Students should familiarize themselves with the Code of Student Conduct since, upon enrollment at Windward Community College, the student has placed herself/himself under the policies and

regulations of the University and its duly constituted bodies. The disciplinary authority is exercised through the Office of the Vice Chancellor for Student Affairs. Copies of the Student Conduct Code are available at the Office of the Vice Chancellor for Student Affairs or [online](#).

Title IX - Sex Discrimination And Gender-Based Violence Resources

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/

I strongly uphold the University of Hawai'i's non-discrimination policy in my class. Any discriminatory acts or language on the basis of race, religion, sex, gender, gender identity, age,

national origin, ancestry, disability, or sexual orientation will NOT be tolerated. We will maintain our classroom as a safe environment for all. [LGBTQ+ Equality | University of Hawaii System](#)

