# MATH 24  Elementary Algebra I

**Credits:** 3

**MWF 8:30AM-9:45AM/10:00AM-11:15AM**

**INSTRUCTOR:** Tristan Holmes  
**OFFICE:** Hale Mana’opono 110A  
**OFFICE HOURS:** MWF 1:00PM-3:00PM and by appointment  
**TELEPHONE:** 808-236-9281  
**EMAIL:** tristanh@hawaii.edu  
**EFFECTIVE DATE:** FALL 2014

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**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.*

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**CATALOG DESCRIPTION**

MATH 24 represents the first course in a two course sequence covering elementary algebra topics. Topics include operations with real numbers; linear equations and inequalities; graphing; linear systems; and applications. (3 hours lecture)

Pre-Requisite(s): Grade of “C” or better in MATH 22, MATH 21B, MATH 19 or equivalent; satisfactory placement test score, or consent of instructor.

**Activities Required at Scheduled Times Other Than Class Times**

Homework (online and written) as assigned. Math Lab as needed.  
Math Lab: Hale La‘akea

**STUDENT LEARNING OUTCOMES**

The student learning outcomes for the course are:

- Utilize precise mathematical language and symbols in written and/or oral form.
- Demonstrate proficiency in performing operations with rational numbers, and variable expressions.
- Interpret equations/inequalities geometrically and find solutions to equations/inequalities algebraically.
- Use algebraic techniques to analyze and solve applied problems.
- Find slope and apply it to finding the equation of a line.
- Utilize introductory function concepts.
- Demonstrate familiarity in the use of the rules of exponents and its applications.
COURSE CONTENT

Concepts or Topics

• The Real Number System
• Linear Equations and Inequalities in One Variable
• Linear Equations and Inequalities in Two Variables
• Functions
• Systems of Linear Equations and Inequalities
• Exponents

Skills or Competencies

1. a positive, inquiring attitude towards learning mathematics;
2. setting aside adequate time for studying and working of problems;
3. reading the text carefully and making use of other learning materials whenever necessary;
4. seeking assistance from the instructor and the Math Lab personnel whenever necessary;
5. completing assignments by the designated date;
6. regular class attendance, participation and maintaining accurate class notes.

COURSE TASKS

The mode of instruction is primarily discussion-problem solving where the initial portion of each class period may be utilized to discuss and clarify any questions from the preceding class meeting and/or assignment, and the remaining portion is used to discuss new material. Lectures, directed student explorations, group work, appropriate technologies, and projects will also be used as appropriate. After the completion of each unit, a review and an exam will be conducted.

ASSESSMENT TASKS AND GRADING

The student will demonstrate competency in the objectives by participating in and completing all class activities, by completing and turning in all assignments as requested, by taking unit tests, and by taking a final exam over concepts and skill covered in the entire course. Class activities, unit tests, and the final exam are to be taken in the classroom and without any references unless otherwise stipulated by the instructor.

It is the student’s responsibility to obtain and complete all assignments that are given in any class meeting for which the student is unable to attend. 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.

Points will be assigned to each graded assignment, class activity, and tests as follows:
1. **Homework.** Homework will be assigned via MyMathLab, use the course code holmes72271 to register. Homework sets will be assigned every week and due for completion by Sunday 11:59PM. Unlimited attempts are allowed on homework problems, so there is no reason for any student not to have 100% on every homework assignment. If you get a question wrong, select “similar problem” and try again. Technical problems are NOT an excuse for a late assignment. Unless there are issues with the entire site it is YOUR responsibility to make sure you set aside enough time that you can complete homework assignments even if you have technical difficulties.

**Getting started with the online homework:**

- Go to www.MyMathLab.com and click on student under register.
- Enter the Course ID holmes72271 when required.
- Follow the online instructions to complete the registration process.
- There will be an option to either buy an access code or enter the one that came with your textbook.
- For video tutorial use this link: http://tours.pearsoncmg.com/smscc/index.html
- Note that you may need to turn off pop-up blocker so that some plug-ins can be installed.

2. **Quizzes.** Quizzes will be given most class periods and will be graded on a 5-point scale. The first two days of class are an exception, as are any days there is a chapter test, and there may be others which will be announced in advance. Quizzes are administered as soon as the class period begins and are meant to take between 5-15 minutes and will be similar to questions you will see on the chapter tests. The quizzes serve two purposes: added motivation to get to class on time and you help you practice for the chapter tests.

3. **Chapter Test.** Four chapter tests are given in class at the end of each chapter (the parts of Chapter 5 covered in this course are tested on the final exam). A chapter test will be 75 minutes in length and will be scored on a 100-point scale. The student must achieve a minimum of 70% of the possible points for each unit test. Without this minimum requirement, a passing grade for the course is not possible.

Retests: After each chapter test, a chapter retest deadline will be given. One retest is allowed without penalty for each chapter test if it is done by the specified chapter retest deadline. The better of the two test scores will count towards your grade. No retests will be given after the chapter retest deadline. Retests are arranged by appointments with your instructor. To take a retest, all of the following must be met:

a) The student must meet with the instructor to review mistakes made on the first form of the test taken.
b) The student must complete corrections to the exam and submit them to the instructor.
c) Additional math activities as designated by the instructor must be completed.
d) The retest must be taken by the designated chapter retest deadline.

4. **Final Exam.** The final exam will cover the concepts and skills in the entire course. The final exam is two hours in length and will be scored on a 200-point scale. The student must achieve a minimum of 60% of the possible points for the final exam. Without this minimum requirement, a passing grade for the course is not possible. No retesting for the final exam is
available unless the 60% minimum is not met and the 70% minimum per chapter test was met. In that event, a retest of the final exam is possible, however, the maximum score is 60% of the possible points for the final exam.

Make-up. Make-up opportunity for a chapter test or final exam will be possible only upon a timely presentation of a serious and justified explanation of the student’s absence from the class test. The instructor has the right to request documentation of the student’s absence from the class and to determine if the absence from the class test is justified. A make-up test must be taken within one week of the in-class test unless otherwise specified by the instructor. **No more than one test may be taken by any student on a make up basis.**

5. **Course grade.** If the student has achieved a minimum of 70% of the possible points for each unit test and a minimum of 60% of the possible points for the final exam, then a letter grade for the course will be assigned according to the level of achievement as provided in the table below:

<table>
<thead>
<tr>
<th>GRADE DEFINITION</th>
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<tbody>
<tr>
<td>A 90% - 100% of the total possible points</td>
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<tr>
<td>B 80% - 89% of the total possible points</td>
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<tr>
<td>C 70% - 79% of the total possible points</td>
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<tr>
<td>Cr 70% - 100% of the total possible points</td>
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<tr>
<td>NC Less than 70% of the total possible points</td>
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<tr>
<td>D 60% - 69% of the total possible points</td>
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<tr>
<td>F Less than 60% of the total possible points</td>
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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: Please see the WCC Catalog for descriptions of “N” and “I” grades.

Points Breakdown:
- Quizzes: 150 possible points
- Homework: 250 possible points
- Chapter 1 Test: 100 possible points
- Chapter 2 Test: 100 possible points
- Chapter 3 Test: 100 possible points
- Chapter 4 Test: 100 possible points
- Final Exam: 200 possible points
- **TOTAL: 1000 possible points**

**LEARNING RESOURCES**


All students **must** have access to MyMathLab to complete the online homework assignments. When registering, use the course code **holmes72271**. Registering for MyMathLab gives you access to the text online, this is all that is required. If you wish to purchase a physical copy of the book from the WCC bookstore, it will come with a registration code for MyMathLab at no additional cost. If you purchase a used textbook, you will have to buy a registration code for MyMathLab separately.
KaPiko Math Lab: LLC 226
TLC: LLC 228
Math Center: Mana 103
Additional resources that may be useful:
https://www.khanacademy.org/
Khan academy provides free references, video lectures, and additional practice problems.
http://mathworld.wolfram.com/
Mathworld has information on a wide variety of math topics from basic to advanced.
http://windward.hawaii.edu/Brainfuse/
Brainfuse is WCC’s online tutorial system providing personalized assistance.

Additional Information

Every student is expected to abide by all appropriate codes of conduct, to attempt all assignments in a timely fashion, attend class regularly, check Laulima regularly (ideally every 24 hours), and put in the time to do any additional work necessary to learn the material.

The instructor is expected to abide by all appropriate codes of conduct, have well prepared lessons every class, to hold regular office hours, to respond to students e-mails/calls within 24 hours, to treat all students fairly and impartially, to refer students to any resource available to them that will help them succeed in the course.

At Windward Community College we want every student to be successful. MySuccess is a system-wide effort that seeks to support students early in the semester when they first begin experiencing difficulty in a class. If I feel that you are having difficulty in my class within the first few weeks of the semester (e.g. missing class, missing assignments, or low test scores), and working together to address your challenges shows that you would really benefit from being connected to resources outside of the classroom, I may refer you to your assigned counselor. Once referred, MySuccess will:

• Send an email to your hawaii.edu account to let you know about my referral; and
• Have a counselor follow-up with you by phone or by email to find out what kinds of help you might need, to connect you with the necessary resources, and to help you devise a strategy for success.

I will not refer you without telling you. However, if I do refer you, know that I am doing so in an effort to connect you with all the help you may need to do well this semester as your success is important to me.

DISABILITIES ACCOMMODATION STATEMENT

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 Disability Specialist Counselor to discuss reasonable accommodations that will help you succeed in this class. Ann Lemke can be reached at 235-7448, lemke@hawaii.edu, or you may stop by Hale ‘Akoakoa 213 for more information.