MATH 24 - Elementary Algebra I
3 Credits

INSTRUCTOR: AllynFetherolf
OFFICE: Hale Manaʻopono, 110a
OFFICE HOURS: By appointment after class.
e-mail: allynf@hawaii.edu
EFFECTIVE DATE: Summer 2014

WINDWARD COMMUNITY COLLEGE MISSION STATEMENT

Windward Community College offers innovative programs in the arts and sciences and opportunities to gain knowledge and understanding of Hawaiʻi and its unique heritage. With a special commitment to support the access and educational needs of Native Hawaiians, we provide O‘ahu’s Koʻolau region and beyond with liberal arts, career and lifelong learning in a supportive and challenging environment — inspiring students to excellence.

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.

CATALOG DESCRIPTION
This course represents approximately half of a typical year algebra course. Topics include real numbers and their properties, linear equations and inequalities in one variable, the coordinate plane, linear systems in two variables, and exponents.

STUDENT LEARNING OUTCOMES
Note: All S.L.O. assessments are embedded in class activities, homework, quizzes, or exams.

The student learning outcomes for the course are:
1. Utilize precise mathematical language and symbols in written and/or oral form.
2. Demonstrate proficiency in performing operations with rational numbers, and variable expressions.
3. Interpret equations/inequalities geometrically and find solutions to equations/inequalities algebraically.
4. Use algebraic techniques to analyze and solve applied problems.
5. Find slope and apply it to finding the equation of a line.
6. Utilize introductory function concepts.
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/Responsibilities of Students. Success in this course will be enhanced by:

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 sets will be assigned after every class meeting. Homework assigned on Monday is due on Tuesday at 11:59pm, homework assigned Tuesday is due on Thursday at 11:59pm, etc. Late homework will not be accepted. **In order to receive a passing grade in Math 24, you must score 90% or better on all but two homework assignments.**

2. **Class Activity.** Class activities are done in class only. Class activities will be graded on a 0 - 3 point scale. There is no make-up for a missed class activity. Students must be present in class to participate.
3. **Chapter Test.** The five chapter tests are given in class at the end of each chapter. A chapter test will be 50 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. For test scores below 70%, the maximum possible score on a retest is 80%. Test scores above 70% have a maximum possible score of 10 points higher than their initial score. No retests will be given after the chapter retest deadline. Retests are arranged by appointment with your instructor.

To take a retest, all of the following must be met:

a) All problems from the Chapter Test at the end of the chapter must be completed and turned in to the instructor.
b) The student must meet with the instructor to review mistakes made on the first form of the test taken.
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 one hour, fifty minutes 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 a student on a make-up basis.**

**Course grade.** The point distribution for Math 24 is as follows:

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<tr>
<th>Possible Points</th>
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<tr>
<td>In Class Exercises</td>
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<tr>
<td>Homework</td>
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<tr>
<td>Chapter 1 Test</td>
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<td>Chapter 2 Test</td>
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<td>Chapter 3 Test</td>
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<td>Chapter 4 Test</td>
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<td>Final Exam</td>
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<td><strong>Total</strong></td>
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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:
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
Cr 70% - 100% of the total possible points
NC Less than 70% of the total possible points
D  60% - 69%   of the total possible points
F  Less than 60% 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 form the course at the Admissions Office. Consult the WCC Catalog for deadlines.

LEARNING RESOURCES


Required MyMathLab Access: Included with the required text is an access code for MyMathLab. If you purchase the textbook second hand, or through a retail outlet other than the WCC bookstore, you may also need to purchase an access code for MyMathLab.
Our Course ID is: fetherolf34952

Activities Required at Scheduled Times Other Than Class Times
Homework, Math Lab or TLC activities as needed.
Math Lab: Manaopono 113
TLC: Alakai 106

Additional Information
1. Grading on Homework, Class Activities 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.

2. Absences. It is your responsibility to attend every class meeting. Even if you are absent, you are responsible for those topics and examples covered in class that you missed. Furthermore, you are responsible for obtaining any important announcements and assignments given during the class you missed. If you are absent frequently or for an extended period of time, contact the instructor as soon as possible to discuss your situation. Absences and tardiness to class can have a negative impact on your success in this course.

3. Homework. For each chapter, as you read through each section, it is recommended that you write down the words, phrase or math symbols and their meanings, formulas, and properties/rules that are important for each section. It is important for you to know these.

4. Calculator use is not allowed on quizzes, tests and exams.
Tentative Class Schedule:
Note that this schedule is subject to change.

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<tr>
<th>Date</th>
<th>Topic</th>
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<tr>
<td>5/26/2014</td>
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<td>5/27/2014</td>
<td>1.1, 1.2</td>
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<td>5/29/2014</td>
<td>1.3, 1.4</td>
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<td>5/30/2014</td>
<td>1.5, 1.6</td>
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<td>6/2/2014</td>
<td>1.7, 1.8, Chapter 1 Review</td>
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<tr>
<td>6/3/2014</td>
<td>Chapter 1 Test, 2.1</td>
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<td>6/5/2014</td>
<td>2.2, 2.3</td>
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<td>6/6/2014</td>
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<td>6/9/2014</td>
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<td>6/23/2014</td>
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<td>6/30/2014</td>
<td>5.3, Chapter 5 Review</td>
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<td>7/1/2014</td>
<td>Review for Final Exam</td>
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<tr>
<td>7/3/2014</td>
<td>Final Exam</td>
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