MATH 024 – Elem Alg I – 3 credits
63055-MWF-8:00 to 9:20am or 63056-MWF-9:30 to 10:50am

INSTRUCTOR: Mrs. Linda Kodama
OFFICE: Mana’opono 110A
OFFICE HOURS: MWF(only) 11:00am – Noon; or by appointment
TELEPHONE: 236-9280 EMAIL: Lkodama@hawaii.edu (preferred method)
EFFECTIVE DATE: Fall 2011 (August 22 to Date of your Final Exam)
Last Day of Classes: Thursday, Dec. 8th (Wednesday, Dec. 7th for our class)

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

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. (3 hours lecture)
PREREQUISITES: Grade of C or better in Math 22 or equivalent, satisfactory math placement test score, or consent of instructor.

Activities Required/Recommended at Scheduled Times Other Than Class Times
The scheduled class time includes, immediately after lecture and in the same room, a half-an-hour Supplemental Instruction session.
Homework is assigned to facilitate the student’s understanding of the material and to practice meeting the notational expectations of mathematics. At the college level, a rule of thumb suggests: 3 hours of study outside of class for each hour spent in class.
Work on the computer in MyMathLab will be explained later.
STUDENT LEARNING OUTCOMES

The student learning outcomes for the course are, as based on: Beginning Algebra, 11th edition, hardback, by Lial, Hornsby, and McGinnis:

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. Use algebraic techniques to analyze and solve applied problems.
6. Find slope and apply it to finding the equation of a line.
7. Utilize introductory function concepts.
8. Demonstrate proficiency in the use of rules of exponents and its applications.

Note: All SLO assessments are embedded in class activities, homework, quizzes, or Exams

COURSE CONTENT (Kodama, F11)

Concepts or Topics - The student should know and understand the vocabulary, notation, etc. associated with:

- Ch. 1 – The Real Number System
- Ch. 2 – Linear Equation and Inequalities in One Variable
- Ch. 3 – Linear Equations and Inequalities in Two Variables; Functions
- Ch. 4 – Systems of Linear Equations and Inequalities
- Ch. 5 – Exponents and Scientific notation (selected sections)

Skills or Competencies – The student should have/use good study skills, such as:

1. Reading the Textbook
2. Taking Lecture Notes
3. Tackling HW assignments without procrastination
4. Using study aids such as index cards, acronyms, information maps, etc.
5. Destressing before Exams
6. Managing Time Effectively
7. Learning from past Mistakes

COURSE TASKS

Homework needs to be turned in on time/when collected in class, generally at the beginning of class. Also, there will be 3-minute quizzes/activities at the beginning of most class periods…which cannot be made up if the student is absent or tardy. The student is expected to take lecture notes, complete and turn in the worksheets with additional material (no late work will be accepted), and take exams as scheduled.
ASSESSMENT TASKS AND GRADING

The student must achieve a minimum of at least 70% of the possible points for each unit exam in order to continue in the class and then pass the final exam with at least a 60%. If these minimums are not met, (there will be opportunities to retest but only after additional preparation has been performed), a passing grade for the course is not possible.

In general, grades for this course will be based on the following:

<table>
<thead>
<tr>
<th>Total points:</th>
<th>--and--</th>
<th>Scale</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 exams (50%)</td>
<td>400</td>
<td>90%+</td>
<td>A</td>
</tr>
<tr>
<td>Course Activities (30%, colored paper)</td>
<td>240</td>
<td>80 - 89%</td>
<td>B</td>
</tr>
<tr>
<td>Final Exam</td>
<td>160</td>
<td>70 - 79%</td>
<td>C/CR</td>
</tr>
<tr>
<td>Total Possible Points</td>
<td>800</td>
<td>60 - 69%</td>
<td>D/NC</td>
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<tr>
<td></td>
<td></td>
<td>Less Than 60% = F*</td>
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Note: The “W” grade is given only when the student officially withdraws from the course by the posted deadline. Generally an “F” is earned by students who simply stop coming to class and do not withdraw.

LEARNING RESOURCES

Beginning Algebra, 11th edition (hardback), by Lial, Hornsby, McGinnis (© 2012); worksheets handed out in class; MyMathLab computer tutorials. Graph paper with 4 or 5 squares per inch. Straight edge.

Instructor: Linda Kodama
Office Hours: MWF 11 – Noon

SI leader: ____________________________
Contact Info:

Math Lab (Manao’pono 113)  The Test Center (Alaka’i 106)

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.
**Additional Information** *(This may be included in an appendix.)*

- Instructor expectations
- Sample grading rubrics or scoring sheets
- Additional policies
- Expectations
- Any information you feel the student needs to know