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 who want to strengthen computation and problem solving skills before proceeding to an elementary algebra course. Includes a brief review of arithmetic, the concept of variables, using rational numbers, solving simple equations in one variable, percent, measure, ratio and proportion, geometry formulas, square roots and word problems.

Prerequisite: Grade of “C” or better in MATH 20, MATH 21A, or equivalent, satisfactory math placement test score, or consent of instructor.

Activities Required at Scheduled Times Other Than Class Times

Students are expected to complete assignments using MathXL web-base tutorial program. Access to this software require an access code found in the specially packaged Developmental Mathematics textbook bounded for Windward Community College. Students purchasing used textbooks may purchase access to this software online.

STUDENT LEARNING OUTCOMES

Students will be able to:

1. Utilize precise mathematical language and symbols in written and/or oral form.
2. Demonstrate proficiency in performing operations with whole numbers, fractions, mixed numbers, decimal numbers, integers, real numbers, and variable expressions.

3. Utilize fundamental properties to solve equations.

4. Use algebraic techniques to analyze and solve applied problems.

5. Employ mathematical formulas to determine measurements in geometric figures.

6. Apply concepts and principles of percents to solve applied problems.

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

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, group work, and in-class problems will be utilized. After the completion of each unit, a review and an exam will be given.

Assessment Tasks and Grading

The student will demonstrate competency in the objectives via assignments, unit exams and a final exam over concepts and skills covered in the entire course. Exams are to be taken within the classroom environment and without any references unless otherwise stipulated by the instructor.

The student must achieve a minimum of 70% of the possible points for each unit exam and a minimum of 60% of the possible points for the final exam. Without these two minimum requirements, a passing grade for the course is not possible.

Grades for this course are based on the following:

<table>
<thead>
<tr>
<th>Total Possible Points</th>
<th>Exams (7 unit exams and 1 final exam, note: final exam weighs twice that of a unit exam)</th>
</tr>
</thead>
<tbody>
<tr>
<td>80%</td>
<td>15%</td>
</tr>
<tr>
<td>5%</td>
<td>5%</td>
</tr>
</tbody>
</table>

Course activities include, but are not limited to, homework problems and in-class activities.

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

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Definition</th>
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<tbody>
<tr>
<td>A</td>
<td>90% - 100% of the cumulative points possible</td>
</tr>
<tr>
<td>B</td>
<td>80% - 89% of the cumulative points possible</td>
</tr>
<tr>
<td>C</td>
<td>70% - 79% of the cumulative points possible</td>
</tr>
</tbody>
</table>
D  60% - 69% of the cumulative points possible
F  Less than 60% of the cumulative points possible
CR 70% - 100% of the cumulative points possible
NC Less than 70% of the cumulative points possible
N  See Below
W  Official Withdrawal
I  Incomplete - given when a student has failed to complete a SMALL part of the course due to circumstances beyond his/her control.

Note: CR/NC grades require written instructor consent. Students must apply for CR/NC grading option at the Admissions Office by the posted deadline.

Note: W grade is given only when the student officially withdraws from the course at the Admissions Office by the posted deadline.

Learning Resources and Materials

Developmental Mathematics, customized textbook by Bittinger & Beecher

MathXL  www.mathxl.com

Math Lab – Tutoring services avalialble Monday-Friday 8 AM – 5:30 PM in Mana’opono 113

Additional Information

ABSENCES
It is your responsibility to attend class. You are responsible for any important announcements or 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 you can to discuss your situation.

MAKE-UP POLICY
If you unexpectedly must be absent on an exam day, notify me by 4 pm via voicemail or email. State the reason for the absence. If the reason is justified then a make-up exam will be scheduled. The instructor has the right to determine if the reason for the absence is justified and to request documentation of the student’s absence. If no notice is received or if the reason is not justified, then a score of zero will be given for the missed exam/quiz.

There are no make-up opportunities for missed in-class activities.

RETESTS
The retest deadline is posted on the semester assignment calendar. One retest is allowed without penalty for each exam if it is done by the posted deadline. The better of the two test scores will count towards your grade. Calculators are not permitted on exams.
To take a retest:

a) Assigned retest problems must be completed using MathXL but the indicated deadline.

b) The student must meet with the instructor to arrange the retest. All retest are to be completed at TTC (Alaka‘i 106)

**HOMEWORK**

After reading through each section carefully, based on what you understood from your reading, you should do as many of the homework problems from those sections as you can. Those problems and concepts that you do not understand should be asked about during class. **You may need to do more than the assigned homework problems to become comfortable with the concepts and skills.**

Homework assignments are worth 4 points each and count toward the course activities portion of your grade. Homework must be turned in **at the beginning of the class**. There is a penalty for late homework.

**GRADING**

Grades are printed out and given to individual students after the completion of each exam. To receive full credit on exams and graded homework, you must show sufficient work in a clear and organized manner. It helps me determine where your errors are (hence, you might be able to obtain partial credit) and if you are logically applying the mathematical tools learned to solve the given problem. Your work must be neat and organized. "Messy" and/or disorganized work will not receive full credit.

**CELL PHONES**

Please put your phone on silent or turn it off prior to the start of class.

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**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 ʻAkoakoa 213 for more information.*