Math 28 - Developmental Mathematics II
3 Credits

MWF 10:00 AM - 11:15 AM  Manao 115
(CRN 61134)

INSTRUCTOR:  Gretel S. Sia
OFFICE: Manao 110A
OFFICE HOURS:  MW 11:15 AM – 12:00 Noon
TR 12:00 NN – 1:00 PM
TELEPHONE: 236-9281  EMAIL: gsia@hawaii.edu
EFFECTIVE DATE:  Spring 2016

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.

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.

COURSE DESCRIPTION

This course is a continuation of Developmental Mathematics I and a preparation for students to take Math 100, Math 101 or Philosophy 110 to fulfill the symbolic reasoning requirement. Topics include an introduction to Real Numbers (including basic roots, signed numbers and properties), Linear equations and inequalities in one variable, linear equations and linear inequalities in two variables, and selected topics – Quadratic Formula, parabola, systems of equations and inequalities, scientific notation and variation.

Prerequisite(s): Grade of "C" or better in Math 19, Math 21, Math 21B, Math 22, or Math 24 or equivalent; satisfactory placement test score, or consent of instructor.
STUDENT LEARNING OUTCOMES

The student learning outcomes for the course are:

1. Demonstrate proficiency in the skills and competencies for this level of mathematics.
2. Apply concepts and principles to solve applied problems related to the topics covered in this course.
3. Utilize precise mathematical language and symbols in written and oral forms.

COURSE CONTENT

- Real Numbers – properties and basic operations
- Algebraic Expressions – including geometric formulas
- Linear Equations and Inequalities – in One Variable, in Two Variables
- Selected Topics – including the Quadratic Formula, Parabola, Systems of Equations and Inequalities, Scientific Notation, and Variation

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.

LEARNING RESOURCES & MATERIALS


Learning Resources:
(1) Supplemental Instruction Leader (SIL)
(2) Math Center: Manao 103
(3) Math Lab: La'akea (Library Learning Commons) Room 226
(4) Testing Center: La'akea (Library Learning Commons) Room 228
(5) TRIO: http://windward.hawaii.edu/TRIO/index.php

EMAIL and LAULIMA WEBSITE

You are responsible for checking your UH email regularly for important announcements. Announcements and weekly homework assignments will be posted under "resources" in Math 28 Laulima site.

COURSE TASKS and GRADING

A student's grade for this course will be based on the following course tasks:

<table>
<thead>
<tr>
<th>Task</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam 1</td>
<td>100</td>
</tr>
<tr>
<td>Exam 2</td>
<td>100</td>
</tr>
<tr>
<td>Exam 3</td>
<td>100</td>
</tr>
<tr>
<td>Exam 4</td>
<td>100</td>
</tr>
<tr>
<td>Homework</td>
<td>100</td>
</tr>
<tr>
<td>Quizzes</td>
<td>100</td>
</tr>
<tr>
<td>Final Exam</td>
<td>200</td>
</tr>
</tbody>
</table>

Total 800 points

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

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Definition</th>
</tr>
</thead>
<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>
<tr>
<td>D</td>
<td>60% - 69% of the cumulative points possible</td>
</tr>
<tr>
<td>F</td>
<td>Less than 60% of the cumulative points possible</td>
</tr>
<tr>
<td>N</td>
<td>CR: 70% or above of the cumulative points</td>
</tr>
<tr>
<td>NC</td>
<td>Less than 70% of the cumulative points possible</td>
</tr>
<tr>
<td>W</td>
<td>Official Withdrawal</td>
</tr>
<tr>
<td>I</td>
<td>I: (Refer to the Note below.)</td>
</tr>
</tbody>
</table>
A student must achieve a minimum of 70% of the possible points for each unit (module) exam and a minimum of 60% of the possible points for the final exam. Without these two minimum requirements met, a passing grade for the course is not possible.

Note: (1) The N grade indicates that the student has worked conscientiously, attended class regularly, finished all work, fulfilled course responsibilities, and has made measurable progress. However, either the student has not achieved the minimal student learning objectives and is not prepared to succeed at the next level, or the student has made consistent progress in the class but is unable to complete the class due to extenuating circumstances, such as major health, personal, or family emergencies.

The N grade is an optional grade that the instructors do not have to give. All requests for the N grade must be submitted by the student in writing and is contingent upon the instructor's approval.

(2) CR/NC grades require written instructor consent. Students must apply for CR/NC grading option at the Admissions Office by the posted deadline. If a student does not apply for CR/NC grading option at the Admissions Office by the required deadline and if s/he does not withdraw, a letter grade (A, B, C, D, F, N) will be assigned for the course.

(3) The W grade is given only when the student officially withdraws from the course by the posted deadline.

(4) The I grade is a temporary grade given at the instructor's option 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) s/he is unable to take the final exam and (b) taking the final exam could possibly raise his/her course grade. The I grade is given by student request and must be approved by the instructor.

RETESTS

One retest is allowed without penalty for each module test if it is done by the specified retest deadline. The better of the two test scores will count towards your grade. No retests will be given after the module retest deadline. Retests are arranged by appointments with your instructor.

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

(1) All problems from the Chapter Test at the end of the chapter must be completed and turned in to the instructor for her approval.

(2) For students who did not meet the 70% minimum, they must meet with the instructor to review mistakes made on the first form of the test taken. For students who met the 70%
minimum but would like to improve their grade, a meeting with the instructor to review mistakes made on the first form of the test is optional.

(3) Additional math activities as designated by the instructor must be completed.

(4) The retest must be taken by the designated module retest deadline.

**FINAL EXAM RETEST**

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, but the maximum score is 60% of the possible points for the final exam.

**ADDITIONAL INFORMATION**

**Make-up Work:** No late Homework will be accepted. Homework is due on a specified date and must be turned in at the beginning of class on that day. If a student fails to submit his/her homework, he/she gets a score of zero. Also, under any and all circumstances, no make-up quiz shall be given. However, a student's two lowest scores in the Quizzes (which may be announced or unannounced), and in the Homework will be dropped in the computation of his/her final grade. Only under extenuating circumstances such as a medical emergency (as when a student gets hospitalized), or death of a family member, may a special exam be given for a student who would fail to take a module exam (Exam 1, Exam 2, Exam 3, or Exam 4). In this regard, the instructor may demand from the student some specific proofs to support his/her claim, absent of which, no special exam will be allowed. No special exam will be given or administered more than one week from the date it is given.

**Academic Honesty:** Cheating, in any form, will not be tolerated in this class. It is the student's responsibility to ensure that he/she does not copy from another student or let another student copy from him/her during exams. He/She, however, can do a collaborative work on a homework with another student, but simply copying his/her classmate's homework is considered cheating. Academic dishonesty will be dealt with accordingly.

**Respect:** Every student should try to respect the personal space of others. This means that while inside the classroom, he/she should refrain from acting in a way that will irritate or distract the attention of his/her classmates and that of the instructor. All cell phones must be set to a silent mode while the class is ongoing. All computing devices must be closed and must not be used during lecture. The instructor reserves the right to exclude from the class any student who engages in disruptive behaviors which include, but not limited to, texting messages, prolonged chattering, reading materials not relevant to the class, sleeping in class, making noise, packing stuffs before the class is over, coming to class late, and making offensive remarks.
**Attendance:** Attendance is mandatory. Indeed, it is a student's responsibility to attend every class meeting. This means that except for extenuating circumstances, missing the day's lecture should not be a student's option. A student who is absent from class, under any circumstance, is responsible for those topics covered in the class, and for obtaining announcements and/or assignments that are given during the class that he/she missed. My experience tells me that there is a strong correlation between a student's attendance and his/her performance in a course.

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**Final Exam Schedule:** Monday, May 9, 10:00 AM – 12:00 NN