Math 25    Elementary Algebra II
            3 Credits
            Mon-Wed-Fri 12:30 – 1:20

INSTRUCTOR:    Donell SB. Reyes
OFFICE:         Na’auao 114
OFFICE HOURS:   MWF 10:00am – 11:00am, or by appointment
TELEPHONE:      236-9255
EFFECTIVE DATE: Spring 2010

WINDWARD COMMUNITY COLLEGE MISSION STATEMENT

Windward Community College is committed to excellence in the liberal arts and career development; we support and challenge individuals to develop skills, fulfill their potential, enrich their lives, and become contributing, culturally aware members of our community.

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 is a continuation of Math 24 Elementary Algebra I representing approximately the second half of a typical first year course in algebra. Topics include exponents, polynomials, factoring, rational expressions and equations, radical expressions and equations and quadratic equations.

LEARNING RESOURCES


Activities Required At Scheduled Times Other Than Class Times:  Homework, Math Lab or TTC

STUDENT LEARNING OUTCOMES

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 whole numbers and variable expressions.
3. Interpret quadratic equations geometrically and identify key characteristics.
4. Employ algebraic techniques to find the solution for equations.
5. Use algebraic techniques to analyze and solve applied problems.
7. Employ algebraic techniques to factor a polynomial.
8. Graph a linear equation in two variables, find slope and apply it to finding the equation of a line.

COURSE CONTENT

<table>
<thead>
<tr>
<th>Concepts or Topics</th>
<th>Skills or Competencies/Responsibilities of Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exponents and Polynomials</td>
<td>Success in this course will be enhanced by:</td>
</tr>
<tr>
<td>Factoring and Applications</td>
<td>1. a positive, inquiring attitude towards learning</td>
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<tr>
<td>Rational Expressions and Applications</td>
<td>mathematics;</td>
</tr>
<tr>
<td>Roots and Radicals</td>
<td>2. setting aside adequate time for studying and</td>
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<tr>
<td>Quadratic Equations</td>
<td>working of problems;</td>
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<td></td>
<td>3. reading the text carefully and making use of other</td>
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<td></td>
<td>learning materials whenever necessary;</td>
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<td></td>
<td>4. seeking assistance from the instructor and the Math</td>
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<td>Lab personnel whenever necessary;</td>
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<td></td>
<td>5. completing assignments by the designated date;</td>
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<td></td>
<td>6. regular class attendance, participation and</td>
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<td>maintaining accurate class notes.</td>
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</tbody>
</table>

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 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:

**Homework:** Homework sets will be graded on a 0 – 3 point scale. Assignments are due at the
next class meeting to the instructor. Late homework may be accepted with grade penalty.

**Class Activity:** Class activities will be graded on a 0 – 3 point scale. Class activities are done in class only. There is no make-up for missed class activity. Students must be present in class to participate.

**Chapter Test:** Chapter test will be scored on a 100-point scale. Five (5) chapter tests are given in class at the end of each chapter with 50 minutes allotted time. The student must achieve a minimum of 70% of the possible points for each chapter test. Without this minimum requirement, a student 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 retest will be given after the chapter test retest deadline. Retests are arranged by appointments 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 designed by the instructor must be completed.*

d. *The retest must be taken by the designated chapter retest deadline.*

The **final exam** will cover the concepts and skills in the entire course. The final exam is one hour and 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 retest for the final exam will be given unless the 70% minimum score per chapter test was met. However, the maximum score is 60% of the possible points for the final exam.

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.**

If the student has achieved a minimum 70% of the possible points for each chapter test and a minimum of 60% of the possible points of 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</th>
<th>DEFINITION</th>
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<tbody>
<tr>
<td>A</td>
<td>90% - 100% of the total possible points</td>
</tr>
<tr>
<td>B</td>
<td>80% - 89% of the total possible points</td>
</tr>
<tr>
<td>C</td>
<td>70% - 79% of the total possible points</td>
</tr>
<tr>
<td>Cr</td>
<td>70% - 100% of the total possible points</td>
</tr>
<tr>
<td>NC</td>
<td>Less than 70% of the total possible points</td>
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<tr>
<td>D</td>
<td>60% - 69% of the total possible points</td>
</tr>
<tr>
<td>F</td>
<td>Less than 60% of the total possible points</td>
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**Note:** Student must apply for the Cr/NC grading option and W grade is given only when the student officially withdraws from the course at the Admissions Office. Consult the WCC Catalog for deadlines.

An N grade indicates that the student has worked conscientiously, attended regularly, finished all work, fulfilled course responsibilities, and has made measureable progress. However, either the student has not achieved the minimal student learning objectives and is not yet 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.

**Additional Information**

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.

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.

Copying or using another student’s work is not permitted. Cheating may result in failing the class.

Calculator use is not allowed on quizzes, tests and exams.