MATH 25 - ELEMENTARY ALGEBRA II (3 Credits)

INSTRUCTOR: Jody-Lynn Storm
OFFICE: Mana’opono 110A
OFFICE HOURS: MTRF 12:30 pm – 1:30 p.m. and by appointment
TELEPHONE: 236-9281
EMAIL: jstorm@hawaii.edu
EFFECTIVE DATE: Summer 2012

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Classroom</th>
</tr>
</thead>
<tbody>
<tr>
<td>60026</td>
<td>8:30am – 10:20am</td>
<td>M T R F</td>
<td>Mana’opono 115</td>
</tr>
</tbody>
</table>

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 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. (3 hrs. lect.)

PREREQUISITES: Grade of “C” or better in Math 24 or equivalent, satisfactory math placement test score, or consent of instructor.

STUDENT LEARNING OUTCOMES

1. Utilize precise mathematical language and symbols in written and/or oral form.
2. Demonstrate proficiency in performing operations with real 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.
6. Demonstrate proficiency in the use of rules of exponents and its applications to scientific notation.
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.
Note: All SLO assessments are embedded in class activities, homework, quizzes, and/or Exams.

Learning Resources & Materials

REQUIRED TEXT: Beginning Algebra, 11th ed, by Lial, Hornsby, and McGinnis
My WorkBook for Beginning Algebra

MATH LAB: Mana’opono 113 - Drop-in Tutorial Assistance

SUPPLEMENTAL INSTRUCTION LEADER (SIL): Hours TBA
Shayna Slaughter (shayna4@hawaii.edu)

THE TESTING CENTER (TTC): Alaka’i 106 – phone number 235-7498

Responsibilities of Students

Success in this course will be enhanced by:

1. A positive, inquiring attitude toward mathematics;
2. Setting aside enough time for studying, working on problems and thinking about the material;
3. Reading the text carefully, making use of other learning materials whenever necessary and taking class notes;
4. Seeking assistance from the instructor, the SIL, and/or the Math Lab whenever necessary;
5. Regularly attending class. In case of an absence, obtaining all assignments and completing them by the designated date.

EMAIL & LAULIMA

You are responsible for checking your UH email regularly for important announcements. You are also expected to check the Math 25 course homepage at the Laulima website for announcements and to monitor your course grade.

Course Tasks & Grading

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 conducted.

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>Component</th>
<th>Points</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 exams @100 pts</td>
<td>500 pts</td>
<td>(56% of possible pts)</td>
</tr>
<tr>
<td>Course activities</td>
<td>200 pts</td>
<td>(22% of possible pts)</td>
</tr>
<tr>
<td>Final Exam</td>
<td>200 pts</td>
<td>(22% of possible pts)</td>
</tr>
<tr>
<td>Total</td>
<td>900 pts</td>
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- Course activities points include (but are not limited to) homework and in-class problems.

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>
<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>
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<tr>
<td>Cr</td>
<td>70% - 100% of the cumulative points possible</td>
</tr>
<tr>
<td>NC</td>
<td>Less than 70% of the cumulative points possible</td>
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<tr>
<td>N</td>
<td>See Below</td>
</tr>
<tr>
<td>W</td>
<td>Official Withdrawal</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete - given when a student has failed to complete a SMALL part of the course due to circumstances beyond his/her control.</td>
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</table>

N Grade Definition: 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 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.

Note: 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) will be assigned for the course.

Note: W grade is given only when the student officially withdraws from the course at the Admissions Office by the posted deadline.
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. Note: I do not respond to email requests regarding missed lectures. If you need to go over course material, make an appointment to meet with me or drop in during the posted office hours. If you are absent frequently or for an extended period of time, contact me 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 notification is received and 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. There are no make-up opportunities for missed in-class activities.

RETESTS
After each exam a retest deadline will be posted. 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. No retests will be given after the retest deadline.

FINAL EXAM
The Final exam is cumulative.

HOMEWORK
Homework assignments are worth 6 points each. Late homework is worth 3 points. The majority of the assignments are from My WorkBook, however, I will assign supplementary worksheets where needed. If My WorkBook does not have sufficient space for you to show your work, then you must turn in your work on separate sheets of paper.

GRADING
Grades are posted on Laulima. To receive full credit for 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.

CALCULATORS
Calculator use is not allowed on exams. Calculator use is not recommended for homework assignments.

CELL PHONES / LAPTOPS
Cell phones should be silenced and put away prior to the start of class. Laptops may not be used during class.

DISRUPTIVE BEHAVIOR
If a student takes part in disruptive behavior, the instructor reserves the right to exclude
the student immediately from the class meeting. Examples are activated beepers and cell phones, texting, making offensive remarks, packing books before class is over, leaving class early, coming to class late, prolonged chattering, reading other materials not relevant to the class, etc.

ACADEMIC HONESTY
All quizzes and exams are closed books and notes and must be done by your individual effort. You may not consult with any classmates while taking quizzes or exams. This would fall under the guidelines of academic integrity and any evidence of cheating will result in a score of 0 for all parties involved. An “F” will be assigned to students involved in cheating and will be reported to the Dean.

Graded homework assignments may be discussed with your classmates and you may seek guidance from the instructor, the Math Lab tutors, or the Trio tutors (if you are a Trio client), and your SIL. However, the write up of the solution for each problem must be done on your individual effort.

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.
# TENTATIVE SCHEDULE - MATH 25
## SUMMER 2012 – STORM
### MTTHF 8:30 am - 10:20 am

<table>
<thead>
<tr>
<th></th>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
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<tbody>
<tr>
<td>JUL 2</td>
<td>Orientation 5.1</td>
<td>JUL 3</td>
<td>JUL 5</td>
<td>JUL 6</td>
</tr>
<tr>
<td>JUL 9</td>
<td>Chapter 5 Exam Review</td>
<td>JUL 10</td>
<td>JUL 12</td>
<td>JUL 13</td>
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<tr>
<td></td>
<td><strong>CHAPTER 5 EXAM</strong></td>
<td>6.1, 6.2</td>
<td>6.3, 6.4</td>
<td>6.5, 6.6</td>
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<tr>
<td>JUL 16</td>
<td>Chapter 6 Exam Review</td>
<td>JUL 17</td>
<td>JUL 19</td>
<td>JUL 20</td>
</tr>
<tr>
<td></td>
<td><strong>CHAPTER 6 EXAM</strong></td>
<td>7.1, 7.2</td>
<td>7.3, 7.4</td>
<td>7.5,7.6</td>
</tr>
<tr>
<td>JUL 23</td>
<td>7.6, 7.7</td>
<td>JUL 24</td>
<td>Chapter 7 Exam</td>
<td>JUL 27</td>
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<tr>
<td></td>
<td><strong>Chapter 7 retest deadline</strong></td>
<td></td>
<td>Review <strong>CHAPTER 7 EXAM</strong></td>
<td>8.3, 8.4</td>
</tr>
<tr>
<td>JUL 30</td>
<td>8.5, 8.6, <strong>Ch 7 retest deadline</strong></td>
<td>JUL 31</td>
<td>AUG 2</td>
<td>AUG 3</td>
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<td></td>
<td><strong>Chapter 8 Exam Review</strong></td>
<td>8.7, 9.1</td>
<td><strong>Chapter 8 Exam</strong></td>
<td>9.3, <strong>Linear Equations</strong></td>
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<tr>
<td>AUG 6</td>
<td>9.5, <strong>Ch 8 retest deadline</strong></td>
<td>AUG 7</td>
<td>AUG 9</td>
<td>AUG 10</td>
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<tr>
<td></td>
<td>Chapter 9 Exam Review</td>
<td><strong>Chapter 9 Exam</strong></td>
<td><strong>Final Exam Review</strong></td>
<td><strong>FINAL EXAM 8:30 – 10:20 am</strong></td>
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## IMPORTANT DATES
- **07/3/2012** Last day to receive 100% tuition refund
- **07/9/2012** Last day to receive 50% tuition refund
- **07/9/2012** Last day to drop (No "W" on transcript)
- **07/25/2012** Last day to withdraw from class ("W" on transcript)