MATH 24 Elementary Algebra I  (3 Credits)
Fall 2011  MWF  11:00 ~ 12:50 pm
T, TH  8:00 ~ 9:15 am

INSTRUCTOR: Young-A Choi
OFFICE: Hale Mana’opono, Room #105
OFFICE HOURS: M T W TH F 9:30 ~ 11:00 am
TELEPHONE: (808) 236-9277 (recommend using email rather than phone)
Email: choiya@hawaii.edu
EFFECTIVE DATE: Fall 2011

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 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 hrs. lect.)

Prerequisite: Grade of “C” or better in MATH 22 or MATH 21B or equivalent, satisfactory math placement test score, or consent of instructor.

Activities Required at Scheduled Times Other Than Class Times

- Two kinds of Homework.
- Retesting arranged after one-to-one meeting.
- Math Lab or TTC activities as necessary.
  - MATH LAB at Hale Mana‘opono Room # 113
  - THE TESTIG CENTER at Alakai #106

STUDENT LEARNING OUTCOMES

The student learning outcomes are:

- Utilize precise mathematical language and symbols in written and/or oral form.
- Demonstrate proficiency in performing operations with rational numbers, and variable expressions.
- Interpret equations/inequalities geometrically and find solutions to equations/inequalities algebraically.
- Use algebraic techniques to analyze and solve applied problems.
- Find slope and apply it to finding the equation of a line.
- Demonstrate proficiency in the use of the rules of exponents and its applications.

COURSE CONTENT
Concepts or Topics

- The real number system
- Order of Operations
- Linear Equations in one or two variables
- Linear Inequalities in one or two variables
- System of Linear Equations and Inequalities
- Exponents

Skills or Competencies

1. understanding the fundamental concepts
2. analyzing the problem
3. memorizing properties
4. developing similar problems
5. practical application
6. be able to explain to others

COURSE TASKS

The mode of instruction will be focusing on logical and analytical thinking and problem solving. The new material will be introduced by the instructor in every lecture, then the student will apply the new material to textbook problems. However, the goal for this procedure is not just getting the right answer. The ultimate goal should be to build the ability to explaining how and why he/she gets such a result. During the semester, 2~3 students will work together as a group, so that they can improve thinking skills in alternative ways.

ASSESSMENT TASKS AND GRADING

The student will demonstrate competency in the objectives via assignments, in-class activities, departmental unit exams and final exam over concepts and skills covered in the entire course. Exams and quizzes are to be taken within the classroom environment 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. Furthermore, the student must achieve a minimum of 60% of the possible points for the final exam. Without these two minimum requirements, a passing grade and credit for the course is not possible. – Math Department Policy

<table>
<thead>
<tr>
<th>Exam #1 - chap 1</th>
<th>100 points (13.3%)</th>
<th>Percentage (%)</th>
<th>Scores (points)</th>
<th>Letter Grade</th>
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<tbody>
<tr>
<td>Exam #2 - chap 2</td>
<td>100 points (13.3%)</td>
<td>90% or Above</td>
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<td>Exam #3 - chap 3</td>
<td>100 points (13.3%)</td>
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<td>100 points (13.3%)</td>
<td>70 ~ 79%</td>
<td>599~525</td>
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<tr>
<td>Homework</td>
<td>100 points (13.3%)</td>
<td>60 ~ 69%</td>
<td>524~450</td>
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<td>In-class activity</td>
<td>50 points (6.7%)</td>
<td>Below 60%</td>
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<td>Final Exam</td>
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<td>Total</td>
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Or the grade :

- Cr 70% or above of the cumulative points possible
- N or NC Less than 70% of the cumulative points possible
- W Official Withdrawal
- I Incomplete-given when a student has failed to complete a small portion of the course due to circumstances beyond his/her control.
WCC Faculty Senate passed the N grade policy which is effective in Fall 2011. “the N grade indicates that the student worked conscientiously, attended 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: The N grade is an optional grade. Instructors do not have to give an N grade.

LEARNING RESOURCES


RECOMMENDED MATERIALS:  Student Solutions Manual. MyMathLab

Additional Information

A. ATTENDANCE

Students are expected to be on time and to stay for the entire period. Attending every lecture is very important, because this course will be covering at least one or two sections in each lecture. Absence from a class will make it difficult to keep up with the topics for that day. Even though you are absent from class, you will be still responsible for the topics, homework assignments, and announcements on the day of your absence. Please let me know ahead of time to discuss your situation for frequent absences with a reasonable excuse. Frequent absences can negatively affect your grade.

B. HOMEWORK

Two kinds of homework (Review and Preview) will be assigned with every lecture and collected at the beginning of the next class. It is very important to keep up with your homework and the material covered that day. Practicing solving a lot of problems is one way to succeed in this course. There will be 20~35 problems to solve in each homework assignment. “Messy” and/or disorganized work will not be accepted.

Late Homework Policy: Everyone will be allowed two late homeworks. After that late homework will be still graded, however the score won’t be recorded in the instructor’s grade book. Any kind of excuses or situations is not negotiable after the second late homework.

C. EXAMS AND ACADEMIC HONESTY

Five comprehensive exams and a cumulative final exam will be given. If you don’t offer a reasonable excuse in advance, a make-up exam will not be possible. There is no make-up for any exam and in-class activity that you miss due to an unexcused absence. IF YOU MUST BE ABSENT ON A TEST DAY, NOTIFY THE INSTRUCTOR AT LEAST ONE HOUR PRIOR TO THE TEST. YOU CAN LEAVE A MESSAGE ON MY VOICE MAIL. BE SURE TO STATE THE REASON FOR THE ABSENCE. If no notification is received PRIOR TO the
test or if the reason is not justified, then you will receive a “zero” for the test and then you must take the test as a retest. If notification is received and the reason is justified then a make-up test will be arranged as soon as you are able to return to class.

D. RETEST POLICY:

Since students must achieve a minimum of 70% of each unit exam retesting opportunities are available.

After each unit test, a retest deadline will be given. One retest is allowed without penalty for each unit test if done by the specified deadline. The better of the two test scores will be counted toward your grade. **No retest will be given after the unit retest deadline.** At the discretion of the instructor, more than one retest may be given for an unit exam. However, a penalty will be assessed. More information on a retest with a penalty will be provided at the time the situation occurs. Retests are arranged after one-on-one conference appointment.

To take a retest, a student must practice more and gain confidence. Therefore,

**ALL** of the following conditions must be met:
(a) All homework problems and review assignment must be completed and approved by the instructor.
(b) The student must meet with the instructor to review mistakes made from the first exam.
(c) Additional math activities as designated by the instructor must be completed.
(d) The retest must be taken by the designated retest deadline.

E. CALCULATORS

Calculators are not allowed for any tests or any homework for this course.

F. BINDER

20 points of bonder points will be counted on your In-Class Activity points.

G. CLASSROOM RULES

Classroom rules are very simple. Be POSITIVE and RESPECTFUL!! Students are expected to behave as ADULTS. Please, avoid any kind of behavior that shows disrespect to others or causes disruption. RESPECT any of members in a classroom.

H. Fall 2011 MATH LAB SCHEDULE – Room : Mana’opono 113

- Mon 8:00am ~ 3:00pm
- Tue 8:00am ~ 5:30pm
- Wed 8:00am ~ 3:00pm
- Thr 8:00am ~ 5:30pm
- Fri 8:00am ~ 1:00pm
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.

“Mathematics is like a Video Game:
If you just sit and watch,
You are wasting your semester.”

Young-A’s Office hours during Fall 2011

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Math 24 Elementary-Algebra (63236)
Fall 2011
TH 8:00-12:50pm
Mana #103

Young-A Choi
Office : Mana 105
Phone : (808) 236 - 9277
Email : choiya@hawaii.edu
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<td>Aug.30</td>
<td>Aug.31</td>
<td>Sep.1</td>
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<td>Sec 1.6/1.7/1.8</td>
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<td>Sec 2.1/2.2</td>
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<td>Sec 8.1/8.2</td>
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Dec. 12 ~ Dec. 15 Finals week

FINAL DATE: _______________ FINAL TIME: _______________
INTENSIVE Math 24/25 Fall 2011

This Math 24 (63230) class is an intensive 8 week-course and continues to Math 25 - (63228); total 6 credits. The checklist below should be used by the instructor for approval.

Please read carefully, a student should be able to satisfy must 1), and must 2) under Part I. Under Part II, indicate which of the TWO why you can manage this INTENSIVE MATH 24/25 class. Two of the options have to be satisfied by you to enroll these fast-paced courses. I don't want to see students failing. ^^

**Part I.**

**must 1)** I understand that this is an intensive course – 6 credit of lectures / week

\[
= 6 \text{ lectures per week } + \ 6 \times 3 \text{ hours study time} \\
= 6 + 18 \\
= 24 \text{ hours require to success in this course!!}
\]

**must 2)** I have taken algebra I(one) within 10 years.

for example, I remember:

1) Pythagorean theorem,

2) Factoring method,

3) Linear equation,

4) Quadratic formula and its graphs.

(if you don't remember any "one" of them, then I am sorry this class will be too fast for you!)

**Part II.**

Please choose TWO----!!!

I believe I can handle an accelerated Algebra class because:

1) I have taken algebra I(one) and Geometry within 3 years.

2) I have 18 hours of study time for this course (including homework time)

3) I like Math and I am a fast learner.

4) I have the approval from previous math instructor.

I am confident in my ability to succeed in this class.

X____________________________________