

## Course Syllabus

### Math 25 - Elementary Algebra II (3 Credits)

INSTRUCTOR: Navtej (Johnny) Singh

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OFFICE: Manaopono 107

OFFICE HOURS: M W F 9:30am – 10:30am, T TR 3:00pm – 4:30pm, & by appointment

TELEPHONE: (808) 236 – 9278

EFFECTIVE DATE: Fall 2009

CRN	Time	Days	Classroom
62154	1:30pm – 2:45pm	T TR	Manaopono 102
62291	11:30am – 12:20pm	MWF	Manaopono 102

### 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.*

### 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. Prerequisite for this course is grade of C or better in Math 24 or equivalent, satisfactory placement test score, or consent of instructor.

### Learning Resources and Materials

Required textbook for this course is "Beginning Algebra," 9<sup>th</sup> edition (Custom made for WCC), by Lial, Hornsby, and McGinnis. I recommend purchasing a scientific calculator to help you with the homework.

### Activities Required at Scheduled Times Other than Class Times

Homework, Conference with Instructor, The Learning Center, Math Lab Work, Any activity that the student must complete outside of regularly schedule class time.

### Disabilities Accommodation

*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 (808) 235-7448, [lemke@hawaii.edu](mailto:lemke@hawaii.edu), or you may stop by Hale 'Akoakoa 213 for more information.*

## 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 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 the 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.

## Assessment, Tasks, and Grading

### Point distribution

Homework	(30 sections @ 5 points each)	150 points
Pop Quizzes	(Best 5 @ 20 points each)	100 points
Exams	(Five unit exams @ 100 pts each)	500 points
<u>Final Exam</u>	(Comprehensive)	<u>200 points</u>
<u>Total</u>		<u>950 points</u>

**Grades:** Grades will be assigned based on the following scale:  
 A  $\Rightarrow$  90%  $\uparrow$ ; B  $\Rightarrow$  80%  $\uparrow$ ; C  $\Rightarrow$  70%  $\uparrow$ ; D  $\Rightarrow$  60%  $\uparrow$ ; F  $\Rightarrow$  below 60%;

**Exams:** There will be five unit exams and a cumulative final along with minimum of five short quizzes. You will be given 50 minutes to complete each exam and approximately 10 minutes for each quiz. Best way to prepare for the exams is to study examples presented in the class and homework problems. Calculators are not permitted on the exams.

**Homework:** Homework will be assigned every class period. Your homework will be graded based on correctness, completeness, organization, and precision. I will collect the homework on the day of exam. I encourage you to work together on homework. To receive help on the homework, students are welcome to come by my office hours or make an appointment for consultation.

**Make-up Work:** There is no make-up for any exam, quiz, in-class activity, and graded assignment that you miss due to an unexcused absent. If you must be absent on an exam day, notify the instructor at least one hour prior to the exam. E-mail is the preferred method of communication.

### Department Policies for Math Courses under 100

1. To pass this course, each student must score at least 70% of the total points on each unit exam and at least 60% on the final exam. Until these minimums are met, grades of A, B, C, D or CR cannot be assigned. In other words, if a student does not meet the two criteria above, they must obtain the F grade for the course, unless they are qualified for a N or NC grade.
2. Because of minimum competencies, retesting is provided. Students may retake every unit exam to either meet the 70% minimum or to improve their grade if the minimum was already achieved in the in-class version of the exam (first attempt). Only one retest per unit is allowed without penalty if done by the specified deadline, with exceptions at the discretion of the instructor. Final exam can only be retaken if you scored below 60%.

### Additional Information

**Attendance:** All students are expected to be on time and stay until the end. If you are absent from the class, it is your responsibility to check on announcements made while you were absent. It is rude and disrespectful to leave the class in the middle of lecture. If you stop attending this class for any reason, it is your responsibility to drop it. For important deadlines consult the academic calendar.

**Plagiarism:** Plagiarism, or copying and use of another's work without proper acknowledgment, is not permitted. A student caught cheating, may result in failing grade for the course.

**Important Info:** Please check your WCC e-mail account frequently for important announcements. Note this syllabus is subject to change in extenuating circumstances. For additional academic information refer to WCC website [www.windward.hawaii.edu](http://www.windward.hawaii.edu) or go to [www.hawaii.edu](http://www.hawaii.edu) for system wide information.

**N Grade:** "The 'N' grade indicates that the student has 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." If you would like to request for N grade in this class, you must provide a formal letter of request to me no later than the time of final examination addressing how you have met the criteria for N grade. Then I will make a decision on whether or not you qualify for the N grade.

