

Course Syllabus

Math 22 — Pre-Algebra Mathematics (3 Credits)

INSTRUCTOR: Navtej (Johnny) Singh

E-MAIL: navtej@hawaii.edu

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	Class Meeting	Days	Classroom
62065	10:30am – 11:20am	MWF	Manaopono 102
62236	05:30pm – 06:45pm	T TR	Manaopono 113

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 prepares students who want to strengthen computation and problem solving skills before proceeding to an elementary algebra course. This course includes a brief review of arithmetic, the concept of variables, using rational numbers, solving simple equations in one variable, percent, measurement, ratio and proportion, geometry formulas, square roots, and word problems. Prerequisite for this course is C or better in Math 21A or equivalent, satisfactory math placement test score, or consent of instructor.

Learning Resources and Materials

Required textbook for this course is “Developmental Mathematics,” (Customized for WCC), by Bittinger and Beecher. 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, 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 whole numbers, fractions, mixed numbers, decimal numbers, integers, real numbers, and variable expressions.
3. Utilize fundamental properties to solve equations.
4. Use algebraic techniques to analyze and solve applied problems.
5. Employ mathematical formulas to determine measurements in geometric figures.
6. Apply concepts and principles of percents to solve applied problems.

Assessment, Tasks, and Grading

Point distribution

Homework	(27 sections @ 10 pts each + Review Sheet)	300 points
Pop-Quizzes	(Best five @ 20 pts each)	100 points
Exams	(Four exams @ 100 pts each)	400 points
<u>Final Exam</u>	(Comprehensive)	<u>200 points</u>
<u>Total</u>		<u>1000 points</u>

Grades: Letter 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. You will be given 50 minutes to complete each exam. 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.

Quizzes There will be at least five pop-quizzes during the semester. I will try to give you about six quizzes so that you can drop one.

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, 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. If you stop attending this class for any reason, it is your responsibility to drop it. For important deadlines consult the schedule of courses.

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 or go to 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.

Math 22 [Tentative] Schedule & Assignments

Week	Dates (M-F)	Topics / Sections
1	08/24 - 08/28	Review of Selected Topics from Ch 1 - 3
2	08/31 - 09/04	4.1, 4.2, & 4.3
3*	09/07 - 09/11	4.4 & 4.5
4	09/14 - 09/18	4.6, 4.7, 4.8, & Review
5	09/21 - 09/25	Exam 1, 7.1 & 7.2
6	09/28 - 10/02	7.3, 7.4, & 7.5
7	10/05 - 10/09	7.6, 7.7, & 7.8
8	10/12 - 10/16	Review, Exam 2, 8.1
9	10/19 - 10/23	8.2, 8.3, & 8.4
10	10/26 - 10/30	8.5, 8.6, & Review
11	11/02 - 11/06	Exam 3 & 6.1
12*	11/09 - 11/13	6.2 & 6.3
13	11/16 - 11/20	6.4 & 6.5
14*	11/23 - 11/27	6.8 & Review
15	11/30 - 12/04	Exam 4, Review Sheet
16*	12/07 - 12/11	Final Review
17	12/14 - 12/18	Finals Week

*Holidays: Labor Day - Sep 7

Veterans' Day - Nov 11

Thanksgiving break - Nov 26-27

Consultation Day on Dec 11