

Valencia Community College

Instructor: Liza Pettett

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Office:

Course Syllabus Fall 2009

COURSE: MAT 0024C Beginning Algebra

TIME: Tuesday and Thursday 6:00-7:50pm

Location: Liberty High School—Thunder Hall

Room: 7-103

It is suggested that you obtain a binder with loose leaf paper and dividers.

Required Materials

Text Book: MAT0024C Class Notes- by Al Groccia

Course Description

This course is designed to supplement the algebraic background of students prior to taking certain courses at the college level. Topics include sets, fundamental operations with polynomials, linear equations and inequalities with applications, factoring and its use in algebra, introduction to graphing of linear equations, introduction to radicals, and use of calculators. **Credits earned in this course do not fulfill any college-level mathematics requirements nor do they apply toward any college-level credit requirements.**

*****There are two requirements for passing this class successfully: 1) scoring an 80 or higher (24 out of 30 questions correct) on the final exam (no partial credit is given), and maintaining at least a “C” average in the class.***

*****Homework will be checked on test days...so please do your homework everyday...***

Reviews for tests, quizzes, group projects, and other activities will be given accordingly during the semester.

*****Quizzes will be given on WebCT. Keep a track of the calendar provided with quiz start and end dates. If you are late or miss the quiz you will not be able to make it up. Please check your WebCT account at least once a day so that you do not miss these quizzes.***

****All Students will be required to seek tutoring in the Math Depot, Building 2-142, for 1 hour a week until the first test. If students have not attended the Math Depot for 1 hour a week up until the first exam they will not be able to take the test until they have. Any student who receives below a "B" average on the first test will be required to continue attending the Math Depot for tutoring until the next test and so on.**

Competencies of a Valencia Graduate:

THINK: Think clearly, critically, and creatively. Analyze, synthesize, integrate, and evaluate in many domains of human inquiry.

VALUE: Make reasoned value judgments and responsible commitments.

ACT: Act purposefully, reflectively, and responsibly.

COMMUNICATE: Communicate with different audiences using varied means.

CLASS COMPETENCIES:

- 1. Mathematics Skills (arithmetic and algebra skills)**
- 2. Reading Skills (literal and critical comprehension skills)**
- 3. English Language Skills (word choice and grammar, spelling, capitalization, and punctuation skills)**

Grading

Grading for this course will be derived from the following sources:

1. A minimum of four exams = 25% of overall grade
2. Quizzes/Labs = 30% of overall grade
3. Homework = 20% of overall grade
4. Final exam = 25% of overall grade

Grading Scale

The scale used in this course to determine your grade is as follows:

90 – 100 =	A
80 – 89 =	B
70 – 79 =	C
60 – 69 =	D
0 – 59 =	F

Make-up Work

It is the responsibility of the student to make-up any homework, notes, quizzes, projects, or activities that are going to be missed ahead of time. There will be make-ups for tests. All tests can be found in the testing center. It will not be the same test that the class took. You will be penalized 15 points for taking an exam late. That means even if you get a 100, the highest grade you can receive on the test will be a B.

Attendance Policy

You are expected to attend all classes. If you miss a class, you are still responsible for the covered material or assignments. **The instructor has the authority to withdraw any student who misses more than 3 days unexcused.**

IMPORTANT DATES

September 7 th	Labor Day—no classes
September 8 th	Drop/Refund Deadline
October 6 th	No Classes
November 6 th	Withdrawal Deadline for grade of “W”
November 25 th – November 28 th	Thanksgiving Break—No classes
December 13 th	Final Withdrawal – “WP/WF”
December 14 th -20 th	Finals Week

Calculator

A calculator is not used in this class heavily due to the fact that the state competency does not allow the use of calculators. However, they will be used at times to help with understanding math concepts.

Instructor Availability

I am here to help, so please do not hesitate to ask for assistance. I am available by appointment or **by email through WebCT or ATLAS. Emails are highly recommended because I teach classes during the day off campus.** Don't hesitate to use Valencia's resources such as free tutoring in Building 3 Room 100 and the Math Depot in Room 2-142.

ACADEMIC HONESTY:

Each student is expected to be in complete compliance with the college policy on academic honesty as set forth in the admissions catalog and the student handbook. Providing information to another student or receiving information concerning exam content is considered cheating. The instructor reserves the right to determine the appropriate penalties within Valencia Community College academic honesty policies, which is not limited to receiving a zero on the test.

Office of Student Disability Statement:

Any student who feels he/she has the need for special adaptations to the learning environment due to a disability is asked to schedule an appointment with the Office for Students with Disabilities, room 1-152.

Students with disabilities who qualify for academic accommodations must provide a letter from the Office for Students with Disabilities (OSD) and discuss specific needs with the professor, preferably during the first two weeks of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities.

DISCLAIMER: Changes in the evaluation procedure may be made at the discretion of the instructor.

CRN 16456 Time: 6:00-7:50pm

Fall 2009 Tentative Schedule

Liza Pettett
MAT 0024
LIHS

Schedule is subject to change.

<u>Week</u>	<u>Tuesday</u>	<u>Scheduled</u>	<u>Thursday</u>	<u>Scheduled</u>
1	Sept. 1 st	a) Syllabus b) Introductions c) WebCT d) Pre-test	Sept. 3 rd	MAT0024C: 1.1 Displaying Information and Vocabulary 1.2 Fractions 1.3 Real Numbers 1.4 Adding/Subtracting Real Numbers
2	Sept. 8 th	MAT0024C: 1.5 Multiplying/Dividing Real Numbers 1.6 Exponents and Order of Operation 1.7 Algebraic Expressions WebCT Quizzes: Available 9/8/09-9/12/09 a) Order of Operation b) ST Order of Operations	Sept. 10 th	MAT0024C: 2.1 Simplifying Algebraic Expressions 2.2 Solving Equations 2.3 Proportions
3	Sept. 15 th	MAT0024C: 2.4 Formulas 2.5 Solving Inequalities 2.6 Problem Solving WebCT Quizzes: Available 9/15/09-9/19/09 a) Simplify, Solve, Evaluate b) ST Simplify, Solve, Evaluate	Sept. 17 th	MAT0024C: Test 1 Ch 1 / 2 Review
4	Sept. 22 nd	Lab Day: NO CLASS WebCT Quizzes: Available 9/20/09-9/24/09 a) Literal Equations b) Word Problems c) ST Word Problems	Sept. 24 th	MAT0024C: Test 1 Ch 1/2
5	Sept. 29 th	MAT0024C: 3.1 Graphing Using the Rectangular Coordinate System 3.2 Graphing Linear Equations Using Intercepts 3.3 Graphing Linear Equations	Oct. 1 st	MAT0024C: 3.4 The Slope of a Line 3.5 Slope-Intercept Form WebCT Quizzes: Available 10/1/09-10/5/09 a) Graphing b) ST Graphing
6	Oct. 6 th	NO CLASSES—College Night VCC Osceola	Oct. 8 th	MAT0024C: 4.1 Rules for Exponents 4.2 Zero and Negative Exponents 4.3 Scientific Notation

7	Oct. 13 th	MAT0024C: 4.4 Polynomials 4.5 Adding and Subtracting Polynomials	Oct. 15 th	MAT0024C: 4.6 Multiplying Polynomials 4.7 Division of Polynomials (Monomials) WebCT Quizzes: Available 10/15/09-10/19/09 a)Exponents b)ST Exponents
8	Oct. 20 th	MAT0024C: Test 2 Ch 3/4 Review	Oct. 22 nd	MAT0024C: Test 2 Ch 3/4
9	Oct. 27 th	MAT0024C: 5.1 Factoring by GCF and Grouping 5.2 Factoring Trinomials of the form: $x^2 + bx + c$ 5.3 Factoring Trinomials of the form: $ax^2 + bx + c$	Oct. 29 th	MAT0024C: 5.4 Factoring Difference of Two Squares and Perfect Square Trinomials 5.5 Factoring Using Multiple Methods 5.6 Solving Quadratic Equations by Factoring WebCT Quizzes: Available 10/29/09-11/2/09 a)Factoring #1 b)Factoring #2
10	Nov. 3 rd	MAT0024C: 5.7 Simplifying Rational Expressions 5.8 Factoring Applications WebCT Quizzes: Available 11/3/09-11/7/09 a)ST Factoring	Nov. 5 th	MAT0024C: Test 3 Ch 5 Review
11	Nov. 10 th	MAT0024C: Test 3 Chapter 5	Nov. 12 th	MAT0024C: 6.1 Intro to Square Roots 6.2 Simplifying Square Roots 6.3 Adding and Subtracting Radical Expressions WebCT Quizzes: Available 11/12/09-11/16/09 a)Radicals
12	Nov. 17 th	MAT0024C: 6.4 Multiplying and Dividing Radical Expressions 6.5 Solving Radical Equations 6.6 Higher-Order Roots and Rational Exponents WebCT Quizzes: Available 11/17/09-11/21/09 a)ST Square Roots b)ST Polynomials	Nov. 19 th	MAT0024C: Test 4 Ch 6 Review
13	Nov. 24 th	MAT0024C: Test 4 Ch 6	Nov. 26 th	NO CLASS—Thanksgiving DAY
14	Dec. 1 st	Final Exam Review	Dec. 3 rd	Mock Final
15	Dec. 8 th	Final Exam Review	Dec. 10 th	Final Exam: 6:00pm-7:30pm BE ON TIME, NO EXTRA TIME GIVEN. Exam will be on the Osceola VCC Campus. Room to be announced.
16	Dec. 15 th	Final Exam Retakes: MAT0024C	Dec. 17 th	Final Exam Retakes: MAT0024C TIMES TO BE ANNOUNCED...