Elementary Algebra Int. College Readiness, 32300, K095I, MW, 4:30–7:15 p.m., Room D219, Fall 2017

Evelyn Gallegos

Text	Elementary & Intermediate Algebra (Aleks 360), 5th Edition by Barrato Publisher: McGraw-Hill, ISBN: 9780077843052 Aleks Course Code: YPFLD-PLEEK
Course	The course is an intensive program that covers areas of elementary algebra and provides a foundation for college algebra readiness.
Measurements	Chapter Objectives: 20%, Homework: 40% (due every Sunday by 11:59pm), Quizzes – 10%, Tests – 30% (mid-term – 10%, final exam – 20%) Grade Equivalents: A (93-100), A- (90-92.99), B+ (87-89.99), B (83-86.99), B- (80-82.99), C+ (77-79.99), C (73-76.99), C- (70-72.99), D+ (67-69.99), D (63-66.99), D- (60-62.99), F (below 60)
Support Devices	Tutoring and Academic Support Center, peer tutoring, extra help by appointment available
Office Hours	By appointment or email: egallegos@trcc.commnet.edu
Class Cancellations	Check the college website for weather related cancellations or call 860-215-9000 for recorded message
Plagiarism and Academic Honesty	At TRCC, we expect the highest standards of academic honesty. The Board of Trustees' Proscribed Conduct Policy prohibits cheating on examinations, unauthorized collaboration on assignments, unauthorized access to examinations or course materials, plagiarism.
MyCommNet	MyCommNet is a system that sends text messages and emails to anyone signed up in the event of a campus emergency. Additionally, TRCC sends messages when the college is delayed or closed due to weather. All students are encouraged sign up for MyCommNet Alert. A tutorial is available on the Educational Technology and Distance Learning Students page of the website at: *http://www.trcc.commnet.edu/div_it/educationaltechnology/Tutorials/myCommNetAlert/MIR3.html*

Disabilities

If you have a disability that may affect your progress in this course, please meet with a Disability Service Provider (DSP) as soon as possible. Please note that accommodations cannot be provided until you provide a written authorization from a DSP.

> TRCC Disabilities Service Providers
> Counseling & Advising Office – Room A119
> Matt Liscum (860-215-9265) – Physical disabilities, sensory disabilities, medical disabilities, mental health disabilities
> Chris Scarborough (860-215-9289) – Learning disabilities, ADD/ADHD, autism spectrum

Digication

All students are required to maintain an online learning portfolio in Digication that uses the college template. Through this electronic tool students will have the opportunity to monitor their own growth in college-wide learning. The student will keep his/her learning portfolio and may continue to use the Digication account after graduation. A Three Rivers General Education Assessment Team will select and review random works to improve the college experience for all. Student work reviewed for assessment purposes will not include names and all student work will remain private and anonymous for college improvement purposes. Students will have the ability to integrate learning from the classroom, college, and life in general, which will provide additional learning opportunities. If desired, students will have the option to create multiple portfolios.

Tentative

Aug 30   Initial Assessment

Sep 6   Chapter 0.1 – A Review of Fractions,

          Chapter 0.2 – Real Numbers

Sep 11   Chapter 0.3 – Adding and Subtracting

          Chapter 0.4 – Multiplying and Dividing

Sep 13   Chapter 0.5 – Exponents and Order of Operations

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Sep 18   Chapter 0 Quiz,

Chapter 1.1 – Transition to Algebra,

Chapter 1.2 – Evaluating Algebraic Expressions

Sep 20   Chapter 1.3 – Simplifying Algebraic Expressions

Chapter 1.4 – Solving Equations with the Addition Property

Chapter 1.5 – Solving Equations with the Multiplication Property

Sep 25   Chapter 1.6 – Combining the Rules to Solve Equations

Sep 27   Chapter 1.6 – Combining the Rules to Solve Equations (cont.)

Oct 2   Chapter 1.6 – Combining the Rules to Solve Equations (cont.)

Oct 4   Chapter 1.7 – Linear Inequalities

Oct 9   Chapter 1.7 – Linear Inequalities (cont.)

Oct 11   Chapter 1 Quiz,

Chapter 2.1 – Formulas and Problem Solving

Oct 16   Chapter 2.2 – Sets and Set Notation,

Chapter 2.3 – Two-Variable Equations,

Chapter 2.4 – The Cartesian Coordinate System

Oct 18   Chapter 2.5 – Relations and Functions,

Chapter 2.6 – Tables and Graphs

Oct 23   Chapter 2 Quiz,

Chapter 3.1 – Graphing Linear Functions

Oct 25   Chapter 3.2 – The Slope of a Line

Oct 30   Chapter 3.3 – Linear Equations

Nov 1   Chapter 3 Quiz,

Midterm Exam

Nov 6   Chapter 4.1 – Graphing Systems of Linear Equations

Nov 8   Chapter 4.2 – Solving Equations in One Variable Graphically

Nov 13   Chapter 4.3 – Systems of Equations in Two Variables

Nov 15   Chapter 4.3 – Systems of Equations in Two Variables (cont.)

Nov 20   Chapter 4.3 – Systems of Equations in Two Variables (cont.)

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Nov 27	Chapter 4 Quiz,
	Chapter 5.1 – Positive Integer Exponents,
Nov 29	Chapter 5.2 – Integer Exponents and Scientific Notation
Dec 4	Chapter 5.2 – Integer Exponents and Scientific Notation (cont.)
Dec 6	Chapter 5.3 – An Introduction to Polynomials,
	Chapter 5.4 Adding and Subtracting Polynomials
Dec 11	Chapter 5.5 – Multiplying Polynomials
	Chapter 5.6 – Dividing Polynomials
Dec 13	Chapter 5 Quiz, Final Exam Review
Dec 18	Final Exam

Course

Upon the completion of this course students will be able to:

1. Performs operations of addition, subtraction, multiplication, and division on rational numbers.
2. Apply the order of operations to solve problems.
3. Evaluate and solve algebraic expressions in one variable.
4. Use formulas to solve word problems.
5. Understand sets and set notation.
6. Work within the Cartesian coordinate system.
7. Understand relations and functions.
8. Interpret tables and graphs.
9. Graph linear functions.
10. Determine slopes of lines.
11. Use various methods to solve sets of equations in two variables.
12. Understand exponential notation and apply rules of exponents.
13. Perform operations on polynomials.
14. Calculate roots and radicals.
15. Apply the Pythagorean Theorem to solve problems.