

**Reedley College Spring 2018**

Math-201-52096 Elementary Algebra Syllabus

MW 1:00-3:15 PM (CCI 201)

**Instructor:** Maria Veronica Andrade-Romeo

Office: FEM 4A

Office Hours: TWTh 9:00 - 9:50

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**Prerequisites:** Math 250 or 256 or its equivalent

**Course Description:**

Math 201 is a first course in elementary algebra including: algebraic expressions, linear equations and inequalities, linear equations and inequalities in two variables, exponents and polynomials, factoring and rational expressions., hypothesis testing (parametric and nonparametric), correlation and regression.

**TEXT:**

(Optional) George Woodbury, Elementary and Intermediate Algebra, Pearson/Addison Wesley, 4<sup>rd</sup> Edition, 2015.

**Required Material:**

1. MyMathLab Access Code
2. A scientific calculator (you may not use your cell phone as a calculator)

**Classroom Behavior:**

1. Absolutely no cell phones (You may be dismissed).
2. Do not pack up early.
3. In general, be considerate. We are here to learn.
4. If you are tardy (less than 20 minutes) or leave early (less than 20 minutes) you will be marked tardy and tardies will count as half absences. If you are more than 20 minutes late or leave more than 20 minutes early you will be marked absent.

**You may be dropped if:**

- You have 3 or more absences at Noon on January 25, 2018
- You have 6 or more absences at Noon on March 8, 2018.
- You do not have PAID access to MyMathLab by NOON on January 25, 2018.

**If you want to drop the class, you are responsible for dropping yourself on Webadvisor do not rely on me to drop you.**

**Important Dates:**

1/26/2018: Census-Last Day to ADD/Drop a full-term class

3/9/2018: Drop Deadline-Last day to drop a full-term class to avoid a letter grade

5/16/2018: 1:00 - 2:50 Final Exam

**Grading:**

90 - 100% = A                      80 - 89% = B                      70 - 79% = C

60 - 69% = D                      0 - 59% = F

Tests: 70% **NO RETAKES**

Quizzes: 5%

Homework: 20%

Participation: 5% to receive credit for participation you must come to class, make your best effort to succeed and you may NOT be on your cell phone.

I do not round up grades, I will give you plenty of time to work on raising your grade yourself.

### **Testing**

Follow directions, be prompt, NO CELL PHONES allowed, NO NOTES, Testing must be completed in a single sitting you may not leave the room once you have started. The SCCCD policy regarding ACADEMIC DISHONESTY will be applied when appropriate. **THERE ARE NO RETAKES.**

### **Academic Dishonesty**

**Cheating** is the act or attempted act of taking an examination or performing an assigned, evaluated task in a fraudulent or deceptive manner, such as having improper access to answers, in an attempt to gain an unearned academic advantage. Cheating may include, but is not limited to, copying from another's work, supplying one's work to another, giving or receiving copies of examinations without an instructor's permission, using or displaying notes or devices inappropriate to the conditions of the examination, allowing someone other than the officially enrolled student to represent the student, or failing to disclose research results completely.

**Plagiarism** is a specific form of cheating: the use of another's words or ideas without identifying them as such or giving credit to the source. Plagiarism may include, but is not limited to, failing to provide complete citations and references for all work that draws on the ideas, words, or work of others, failing to identify the contributors to work done in collaboration, submitting duplicate work to be evaluated in different courses without the knowledge and consent of the instructors involved, or failing to observe computer security systems and software copyrights. Incidents of cheating and plagiarism may result in any of a variety of sanctions and penalties, which may range from a failing grade on the particular examination, paper, project, or assignment in question to a failing grade in the course, at the discretion of the instructor and depending on the severity and frequency of the incidents.

### **Students with Disabilities:**

If you have any special needs addressed by the American Disability Act and need course materials in alternate modes, or alternate testing circumstances, it is your responsibility to notify me as soon as possible. Upon notification, immediate reasonable efforts will be made to accommodate your special needs.

Please refer to SCCCD policies for guidance on all matters relating to this course

### **Student Learning Outcomes:**

*Upon completion of this course, students will be able to:*

1. Apply real number operations to simplify and factor algebraic expressions.
2. Solve linear and quadratic equations.

3. Use graphic representation of an equation in two variables to solve appropriate problems.

### **Course Objectives:**

In the process of completing this course, students will:

- A. recognize the real number system, its subsets and how to perform operations on numbers from these subsets
- B. simplify algebraic expressions and solve linear equations and inequalities
- C. graph linear equations in two variables and solve systems of linear equations
- D. simplify expressions using the properties of exponents and perform operations with polynomials
- E. factor algebraic expressions and solve equations of degree greater than one
- F. perform arithmetic operations on rational expressions and solve equations containing rational expressions

### **Course Outline**

- A. Number Systems and Operations
  1. The set of real numbers and its subsets
  2. Addition, subtraction, multiplication and division of real numbers
- B. Linear Equations and Inequalities
  1. Simplifying expressions
  2. Solving equations using the addition and multiplication properties of equality
  3. Applying the addition and multiplication properties to solve formulas
  4. Applying the addition and multiplication properties to solve inequalities
  5. Applications
- C. Graphing and Linear Systems
  1. Graphing ordered pairs
  2. Finding solutions to linear equations in two variables
  3. Finding axis intercepts and using them to graph the equation
  4. Solving systems by graphing, addition, and substitution method
  5. applications of systems
- D. Exponents and Polynomials
  1. Multiplication and division with exponents
  2. Operations with monomials
  3. Addition, subtractions, multiplication, and division of polynomials
  4. Special products
- E. Factoring
  1. Greatest common factor
  2. Factoring by grouping
  3. Factoring trinomials
  4. Special factoring

5. Solving equations by factoring

6. Applications

F. Rational Expressions

1.Reducing rational expressions

2.Multiplication, division, addition, and subtraction of rational expressions

3.Solving equations with rational expressions

4.Solving proportions

5.Applications

6. Simplifying complex fractions

Ms. Andrade-Romeo reserves the right to make changes the syllabus with whole class notification.