**Elementary Algebra**

**Math 201-50120 REEDLEY COLLEGE**

Rajwant Kaur Fall 2013

**Meeting Room: CCI 200 E-Mail**: rajwant.kaur@reedleycollege.edu

**COURSE DESCRIPTION:** Operations with signed numbers, algebraic expressions, linear equations and their graphs, inequalities, exponents, radical expressions and equations, factoring, rational expressions and equations, quadratic equations and applications.

**BASIC SKILLS ADVISORIES:** Eligibility for ENGL 126

**SUBJECT PREREQUISITES:** Math 250 or Equivalent

**TEXT:** (Optional) George Woodbury, Elementary and Intermediate Algebra, Pearson/Addison

Wesley, 3rd Edition, 2012.

**HANDOUTS:** Handouts will be posted on the blackbord.

**REQUIRED WEN ACCESS:** Course Compass can be purchased from the bookstore with text or from www.coursecompass.com .

**COURSE COMPASS:** Class code is: **kaur 70543**

**ATTENDANCE:** Students are expected to attend all class meetings, be on time, and be in class the entire class session. Calling me to tell me you will be absent **does not** excuse you. **STUDENTS LEAVING CLASS BEFORE THE END OF CLASS WILL BE COUNTED AS BEING ABSENT!** If you decide to drop the course, it is **your** responsibility to make the drop official in the Administrations and Records office or else possibly receive a grade of **F.**

**Behavioral Standards:** Your classmates and I would greatly appreciate that students in the class take care of any personal needs (i.e., using the restroom, getting a drink, sharpening a pencil) before class begins. Please turn your phone off when entering the class. You may **not** use your phone as a calculator. I would appreciate that you not bring guests to class.

**NOTE:** The drop deadline is September 1.

**HOMEWORK:** Homework is done using CourseCompass on the computer. **NO LATE HOMEWORK WILL BE ACCEPTED!** Students must be enrolled and satisfactorily completing homework by the end of the first week or they will be dropped. When a student has not satisfactorily completed 3 homework assignments they will be dropped. You are required to get 75% on an assignment before moving to the next assignment. Any assignment that is not done on time will receive a grade of 0%.

**TESTS:** Seven tests, worth 100 points each, will be given. One of the lowest score exam will be dropped at end. There are NO MAKEUPS for missed tests. NO EXCEPTIONS!!.

**FINAL EXAM:** A two hour comprehensive final exam worth 100 points will be given at the end of semester on the final day. This final exam is mandatory and counts as another exam. However, it may also be used to replace a low test score or a missed test. The final may not be used to replace the homework grade or participation grade.

**GRADING:**

* *Homework*: All of your homework scores will be worth the same percentage. So homework worth 10 points and homework worth 15 points will count the same. Homework percentages will be averaged to obtain homework grade. Homework is worth 25% of the overall grade.
* *Online Tests:* All of your online test percentages will be averaged. The online tests are worth 15% of your overall grade.
* *In Class Tests*: All of your in class test percentages will be averaged. In class Tests are worth 50% of the overall grade.
* *Final Exam*: Final exam is worth of 10% of your overall grade.

*Example:* If homework grades were 85%, your online test grade is grade is 75%, and your in-class test grade is 70%, and final exam grade is 70, then you would compute your grade as follows:

(85x0.25) + (75x0.15) + (70x0.50) + (70x0.10) = 74.75%

This would give you a grade of “C.”

Percent of Total Points Grade

89-100 A

80-88 B

68-79 C

55-67 D

0-54 F

**WHERE TO FIND YOUR GRADE:**

Available at http://sc.webgrade.classmanager.com/ReedleyCollege/ Your class will be identified by schedule number. Username and password is sent to your school email that you have on record with Blackboard.

**SPECIAL NEEDS REQUESTS:** If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.

**Academic Dishonesty**

Students at Reedley College are entitled to the best education that the college can make available to them, and they, their instructors, and their fellow students share the responsibility to ensure that this education is honestly attained. Because cheating, plagiarism, and collusion in dishonest activities erode the integrity of the college, each student is expected to exert an entirely honest effort in all academic endeavors. Academic dishonesty in any form is a very serious offense and will incur serious consequences.

**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 a 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.

**Course Objectives**

In the process of completing this course, the student will:

1. Learn the real number system, its subsets and how to perform operations on numbers from these subsets.
2. Simplify algebraic expressions and solve linear equations and inequalities
3. C Graph linear equations in two variables and solve systems of linear equations.
4. Simplify expressions using the properties of exponents and perform operations with polynomials.
5. Factor algebraic expressions and solve equations of degree greater than one.
6. Perform arithmetic operations on rational expressions and solve equations containing rational expressions.

**Course Outcomes**

Upon completing this course students will demonstrate the ability to:

1. Add, subtract, multiply, and divide integers and rational numbers.
2. Apply the concept of like terms, to simplify expressions, and the addition and multiplication properties of equality to solve linear equations and inequalities.
3. Generate solutions to equations with two variables, use these solutions to graph the equation and determine the intercepts of the equation both from the graph generated and the given equation; solve systems of equations through the use of graphs, the addition method and the method of substitution.
4. Apply the properties of exponents to the multiplication, division, addition and subtraction of both monomials and polynomials.
5. Find the greatest common factor of an algebraic expression as the first step to its factorization; factor binomials, trinomials, and expressions with four or more terms. Apply the techniques of factoring to solve equations of degree greater than one.
6. Reduce, add, subtract, multiply and divide expressions containing algebraic rational expressions; apply concepts of solving equations to the solving of equations containing rational expressions.

**COURSE CONTENT OUTLINE:**

A) Review of Real Numbers **(Chapter 1, 13 Hours)**

B) Linear Equations **(Chapter 2, 11 Hours)**

C) Graphing Linear Equations **(Chapter 3, 13 Hours)**

D) Systems of Equations **(Chapter 4, 11 Hours)**

E) Exponents and Polynomials **(Chapter 5, 11 Hours)**

F) Factoring and Quadratic Equations **(Chapter 6, 14 Hours)**

G) Rational Expressions and Equations **(Chapter 7, 14 Hours)**

***Important Dates***

August 23 (F): Last day to drop a full-term class for a full refund

August 30 (F): Last day to register for a full-term Fall 2013 class in person

August 30 (F): Last day to drop a Fall 2013 full-term class to avoid a “W” in person

September 1 (S): Last day to drop a Fall 2013 full-term class to avoid a “W”

September 2 (M): Labor Day holiday (no classes held, campus closed)

September 13 (F): Last day to change a Fall 2013 class to or from a Pass/No-Pass grading

October 11 (F): Last day to drop a full-term class (letter grades assigned after this date)

November 11 (M): Veterans Day observed (no classes held, campus is open)

November 28-29 (Th-F): Thanksgiving holiday (no classes held, campus closed)

December 9-13 (M-F): Final exams week

**The final is a test. Be sure you plan to be there!**

**N**ote: The syllabus is subject to change under the discretion of the instructor.