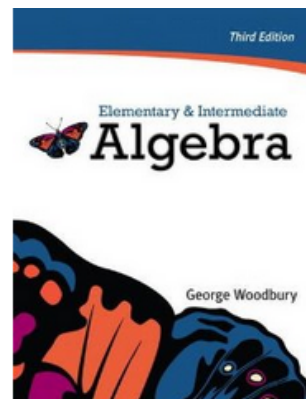# REEDLEY COLLEGE: SPRING 2015

Course: Math 201 Elementary Algebra
Section: 55320
Units: 5
Hours: TTh: 2:00 pm - 4:15 pm
Room: CCI 206
Instructor: Hyangsug "Suely" Lee
Instructor Email: suely.lee@reedleycollege.edu

REQUIRED TEXTBOOK

Elementary and Intermediate

Algebra, George Woodbury, 3rd ed

COURSE DESCRIPTION:
This is a first course in elementary algebra, including algebraic expressions, linear equations and inequalities in two variables, exponents and polynomials, factoring, and rational expressions.

Subject Prerequisites: Math 250_College Arithmetic (requires C grade or better), or equivalent

Advisories: Mathematics 256_Topics Before Algebra and eligibility for English 126_Reading Skills for College

COURSE OUTCOMES:
Upon completion of this course, students will be able to:
    A. apply real number operations to simplify and factor algebraic expressions.
    B. solve linear and quadratic equations.
    C. 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.

APPROPRIATE READINGS:

I. Martin-Gay *Beginning & Intermediate Algebra*, ed. 4th Pearson – Prentice Hall, 2009
II. McKeague *Elementary & Intermediate Algebra*, ed. 3rd Brooks/Cole, 2008

REQUIRED MATERIALS:

Two spiral grid-paper, notebooks, 3-Ring Binder, pencils, eraser, ruler, Scientific Calculator (No TI-89 or cell phones with similar features)

HOMEWORK/PROJECTS:

I. Homework is assigned on a regular basis. All homework must be submitted on the due date at the beginning of the class.
(You are allowed to work on homework problems together, but make sure the work you submit is that of your own!)
II. If done by hand, every assignment must be shown legibly.
III. Late homework (by hand) can only receive 50% of the total points possible with excuse.
IV. If you are absent, check the assignment with your classmate or **check MyMathLab or check current homework information on Blackboard** or send an email to me.

ATTENDANCE:

Students are expected to attend all class meetings, be on time, and be in class the ***entire*** class session. Attendance will be checked at the beginning of each class. Please sign up on Attendance sheet every session. 2 absences in a roll without excuses need to be reported before class by email also prepared to take a quiz for the materials that was covered in class.
Excessive absences may result in the instructor dropping you from the course. I consider **three absences excessive.**
 If you decide to drop the course, you must make the drop official at the Administrations and Records office.

ACADEMIC HONESTY:

Cheating and Plagiarism are not acceptable.

- Please make sure any work produced is of your own.
- Two identical tests will be considered as both students' cheating
- If you are having trouble in the course, come talk to me FOR HELP.

CLASSROOM ETIQUETTE(Rules):

- Students should cooperate to make the best learning environment for the class.
- If arriving late or leaving early, please do so in a manner that avoids disrupting the class.
- All electronic devices are to remain off during lecture. In particular, **cell phones are to remain on silent and put away with vibrate feature turned off during class. There will be no texting or answering of phone calls during class.**
- If you miss class, it is your responsibility to find out what you've missed.
- All electronic devices are to remain off during lectures. In particular, cell phones are to remain on silent and put away with vibrate feature turned off during class. There will be no texting or answering of phone calls during class.
- As you find yourself working with classmates, be respectful of individual differences.
- Refrain from using vulgar language including, but not limited to racial, gender slurs.
- Personal needs (i.e., using the restrooms) must be taken care of before class begins.
- No respect class rule will result in zero participation point.

EXAMS/QUIZZES :

- 7 of 1hr Chapter Exams   (A worst score out of the 7 quizzes will be dropped)

- 7 Quizzes (Individual & Group Quizzes) (A worst score out of the 7 exams will be dropped)

FINAL EXAM: Th., May 21, 2015; 2:00~3:50 pm

GRADING:

A 90 - 100; **B** 80 - 89; **C** 70 - 79; **D** 55 - 69; **F** 0 - 54

Class participation : 5%
Attendance : 5 %
Homework : 10 %
6 Quizzes : 20 %
6 Tests : 40% In-class
Final Exam: 20%

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.

Math 201 Elementary Algebra: Course Outline and Contents:

Topic	Objectives
A. Number Systems and Operations (Chapter 1)	1. The set of real numbers and its subsets 2. Addition, subtraction, multiplication and division of real numbers
B. Linear Equations and Inequalities (Chapter 2)	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 (Chapter 3 & 4)	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 (Chapter 5)	1. Multiplication and division with exponents 2. Operations with monomials 3. Addition, subtraction, multiplication, and division of polynomials 4. Special products
E. Factoring (Chapter 6)	1. Greatest common factorization 2. Factoring by grouping 3. Factoring trinomials 4. Special factoring 5. Solving equations by factoring 6 Applications
F. Rational Expressions (Chapter 7)	1. Reducing rational expressions 2. Multiplication, division, addition, and subtraction of rational expression 3. Solving equations with rational expressions 4. Solving proportions 5. Applications 6. Simplifying complex fractions

ACADEMIC CALENDAR Spring 2015:

Important Dates:

Jan 12 (M)	Start of Fall 2014 semester
Jan 19 (M)	Martin Luther King, Jr. Day observed (No classes held, campus closed)
Jan 23 (F)	Last day to request an Enrollment Fee Refund
Jan 30 (F)	Last Day to register for a full-term class for FALL 2014
Jan 30 (F)	Last day to drop to avoid a "W" (in Person)
Feb 1 (S)	Last day to drop to avoid a "W" (on WebAdvisor)
Feb 6 (F)	Last day to change a class to/from a Pass/No-Pass grading basis
Feb 13 (F)	Lincoln Day observed (No classes held, campus closed)
Feb 16 (M)	Washington Day observed (No classes held, campus closed)
Mar 13 (F)	Last day to drop a full term class (in person) (letter grade assigned after this)
Mar 27 (F)	Deadline t file Intent to Graduate via WebAdvisor
Mar 30-Apr 2 (M-Th)	Spring Recess (No classes held, campus closed)
Apr 3 (F)	Spring Holiday observed (No classes held, campus closed)
May 18-22 (M-F)	Final Exam Week
May 22 (F)	End of Spring 2015 semester