REEDLEY COLLEGE: FALL 2014
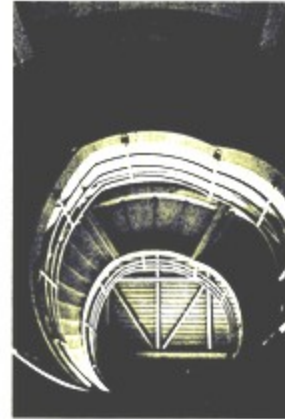
Course: Math 256 ALGEBRA TOPICS
Section: 59930
Units: 3
Hours: MWF: 2:00 pm - 2:50 pm
Room: CCI 220
Instructor: Hyangsug "Suely" Lee
Instructor Email: suely.lee@reedleycollege.edu

COURSE DESCRIPTION:
An introduction to some of the key concepts covered in Beginning Algebra (e.g., solving equations, graphing, word problems) which are typically difficult for MATH 201 students. This course is designed for the student who has successfully completed MATH 250 or MATH 260 but does not feel confident enough in his/her skills to be able to take on the fast pace of a traditional Math 201 class.

Subject Prerequisites: Math 250 or by college assessment process that would qualify the student to place out of Mathematics 250.

COURSE OUTCOMES:
Upon completion of this course, students will be able to:
   A. Apply the order of operations and rules of exponents to integers.
   B. Simplify and evaluate algebraic expressions.
   C. Apply the addition and multiplication properties of equality to solve linear equations in one variable.
   D. Factor out the greatest common factor in an algebraic expression.
   E. Generate a table of solutions and graph its ordered pairs for linear equations and inequalities.

COURSE OBJECTIVES:

In the process of completing this course, students will:

A. Use a number line to derive the rules of r addition of positive and negative numbers.
B. Simplify and evaluate algebraic expressions
C. Differentiate between an expression and an equation.
D. Identify monomials, binomials, trinomials and polynomials.
E. Identify and combine like terms in simplifying polynomials.
F. Add, subtract and multiply polynomials.
G. Solve linear equations in one variable.
H. Set up a table of solutions for linear equations and inequalities in two variables and graph those solutions.

APPROPRIATE READINGS:

A. Sample Text Title:
  I. McKeague, P. Charles *PreAlgebra*, ed. 6 Brooks/Cole, Belmont 2010,
B. Other Readings
  _ Global or international materials or concepts are appropriately included in this course.
  _ Multicultural material and concepts are appropriately included in this course.

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(Option1: MyMathLab, Option 2: By hand)

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 can only receive 75% of the total points possible with excuse.
IV. If you are absent, check the assignment with your classmate or **check current homework information on Blackboard** or **check MyMathLab** 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 **six 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:

- 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, gay, or gender slurs.
- Personal needs (i.e., using the restrooms) must be taken care of before class begins.

EXAMS/QUIZZES :
- Four 50-minute-Chapter Exams

- Quizzes (Individual work)

- Quizzes (Group work)

FINAL EXAM: *Mon., Dec 8, 2014; 2:00-2:50 pm*

GRADING:
A 90 - 100; **B** 80 - 89; **C** 70 - 79; **D** 60 - 69; **F** 0 - 59

Class participation : 5%
Attendance : 5 %
Homework : 10 %
Quizzes (Individual work & Group work) : 20%

4 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. Operations With Signed Number (2 weeks)	1. Negative numbers 2. Adding, subtracting, multiplying, and dividing signed numbers 3. Commutative and associative properties 4. Powers of signed numbers
B. Order of Operations and Evaluating Expressions (2 weeks)	1. Order of operations 2. Evaluating expressions through substitution 3. Evaluating expressions that use grouping symbols
C. Simplifying Algebraic Expressions (3 weeks)	1. First rule of exponents 2. Simplifying products of factors 3. The distributive rule 4. Removing grouping symbols 5. Like terms 6. Full simplification
D. Equations (2 weeks)	1. Solutions by means of addition/subtraction 2. Solutions by means of multiplication/division 3. Solutions involving full simplification
E. Exponents (1 week)	1. Rules involving positive exponents 2. Rules involving negative exponents
F. Adding , Subtracting, and Multiplying Polynomials (2 weeks)	
G. Factoring (2 weeks)	1. Prime factorization 2. Greatest common factor
H. Multiplying and Dividing Fractions (1 week)	
I. Graphing (2 weeks)	1. The rectangular coordinate system 2. Graphing lines 3. Slope and equations of lines

ACADEMIC CALENDAR FALL 2014:

Important Dates:

Aug 11 (M)	Start of Fall 2014 semester
Aug 22 (F)	Last day to request an Enrollment Fee Refund
Aug 29 (F)	Last Day to register for a full-term class for FALL 2014
Aug 29 (F)	Last day to drop to avoid a "W" (in Person)
Aug 31 (S)	Last day to drop to avoid a "W" (on WebAdvisor)
Sep 1 (M)	Labor Day Holiday (No classes held, campus closed)
Sep 12 (F)	Last day to change a class to/from a Pass/No-Pass grading basis
Oct 10 (F)	Last day to drop a full term class (in person) (letter grade assigned after this)
Nov 11 (T)	Veterans Day observed (No classes held, campus closed)
Nov 27-28 (Th-F)	Thanksgiving Holiday (No classes held, campus closed)
Dec 8-12 (M-F)	Final Exam Week
Dec 12 (F)	End of Fall 2014 semester