REEDLEY COLLEGE

COURSE SYLLABUS FOR MATH 256

Fall Semester, 2010

Instructor:	Keith Hughes
Office:	F.E.M. #4A
Office Hours:	**9:30-11:00 am** Tues.-Thur.
Office Phone:	638-3641 x3496
E-Mail:	keith.hughes@reedleycollege.edu

Class meets for 9-weeks: Oct. 18-Dec. 17, 2010

Class will not meet on: Nov. 26 (Thanksgiving Break)

Drop Date: **Nov. 5, 2010**

Required Textbook: Pre-Algebra (3rd edition) by Carson

Course Prerequisites: Successful completion of Math 250 **or** placement test indicated eligibility for Math 101.

Course Description: A pre-algebra class designed to cover the basic concepts initially taught in an elementary algebra class. Units taught will include integers, algebraic expressions and polynomials, equations, graphing linear equations and inequalities, and rules of exponents.

Course Outline:

INTEGERS	5 class periods	
TEST #1	**Fri, Oct 29**	
EXPRESSIONS & POLYNOMIALS	7 class periods	
TEST #2	**Wed, Nov. 17**	
EQUATIONS	4 class periods	
TEST #3	**Mon, Nov. 29**	
GRAPHING	5 class periods	
TEST #4	**Fri, Dec. 10**	
FINAL EXAM	**TBD**	

Required Materials for Class:

1. Package of 5 x 8 notecards.
2. Set of highlighter pens.

3. 6" ruler.
4. Several red ink pens.
5. Quality pencils and erasers.
6. Small stapler.
7. Textbook
8. Graphing paper (last 2-weeks of class)

Attendance and Punctuality:

1. Attendance in class and punctuality in getting to class is a **requirement,** not an option.
2. The instructor reserves the right to drop a student on the **3rd absence.**
3. Each class session will begin **on time;** tardiness is not allowed.

Homework and Test Policies:

1. Homework will be assigned every class period.
2. Homework not submitted when due will be recorded as a "0."
3. Any homework submitted late will be evaluated at **25% of the total points possible.**
4. The presentation of homework must be neat, organized, and legible. If not, **no credit will be given.**
5. A test will be given at the end of each unit; **no make-up exams will be given.**

Evaluation:

1. All homework, quizzes, and tests will be assigned a designated number of points.
2. To determine the final grade, the student's total points will be divided by the total points possible to determine the percentage; **the following grading scale will be used:**

89-100% = A
78-88% = B
65-77% = C
55-64% = D
0-54% = F

Special Notes:

1. No cell phones/pagers allowed during class time.
2. Remove baseball caps during class.
3. Attitudes detrimental to the learning process will be removed from class.
4. Remove sun-glasses during class time.

Accommodations for Students with Disabilities:

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 the instructor of this course immediately.

Course Objectives:

1. Use a number line to derive the rules for addition of positive and negative numbers.
2. Simplify and evaluate algebraic expressions.
3. Differentiate between an expression and an equation
4. Identify monomials, binomials, trinomials and polynomials
5. Identify and combine like terms in simplifying polynomials
6. Add, subtract, and multiply polynomials
7. Solve linear equations in one variable
8. Set up a Table of Solutions for linear equations and inequalities in two variables and graph those solutions

Course Outcomes:

1. Apply the Order of Operations and rules of exponents to integers.
2. Simplify and evaluate algebraic expressions
3. Apply the addition and multiplication properties of equality to solve linear equations in one variable
4. Factor the greatest common factor out of an algebraic expression
5. Generate a Table of Solutions and graph its ordered pairs for linear equations and inequalities