

**REEDLEY COLLEGE**  
**COURSE SYLLABUS FOR MATH 256**

Spring Semester 2008

**Instructor:** New ton Avestisyan

**Classroom:** F.E.M # 7

**Hours:** 11:00 a.m. to 12:15 p.m. Monday, Wednesday.

**Drop date:** Jan. 25 2008

**Required Textbook:** Pre-Algebra (2<sup>nd</sup> 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.

<b>Course Outline:</b>	INTERGERS TEST # 1	5 class periods
	EXPRESSIONS & POLYNOMIALS TEST # 2	7 class periods
	EQUATIONS TEST # 3	4 class periods
	GRAPHING TEST # 4	5 class periods
	FINAL EXAM	

### Required Materials for Class:

1. 3-ring notebook with loose-leaf notebook paper.
2. Section dividers for notebook.
3. Package of 5 x 8 notecards.
4. Set of highlighter pens (different colors)
5. 6" ruler.
6. Several red ink pens.
7. Quality pencils and erasers.
8. Small stapler.
9. Textbook
10. Graphing paper

### 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 **3<sup>rd</sup> 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:** In the process of completing this course, students will:

1. use integers and the order of operations to evaluate expressions.
2. simplify polynomials by combining like terms.
3. simplify algebraic expressions, including the removal of grouping symbols.
4. simplify exponential expressions.
5. factor the G.C.F. out of polynomials.
6. add, subtract, and multiply polynomials.
7. solve and check linear equations of different levels of complexity.
8. solve, graph, and check linear equations in two different variables.
9. solve, graph, and check inequalities in one and two variables.
10. utilize rules of exponents (positive and negative exponents)

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

1. apply sign rules for the addition, subtraction, multiplication, and division of integers.
2. apply their knowledge of sign rules, the order of operations, the removal of grouping symbols, and exponential expressions to the complete simplification of algebraic expressions.
3. apply the skill of factoring the G.C.F. out of a polynomial to the solution of equations by factoring in Math 101.
4. apply the seven basic steps for solving and checking linear equations in one variable.
5. utilize the rectangular coordinate system to graph linear equations and inequalities in two variables.
6. successfully complete Math 101.