**Math-201–52918**  **REEDLEY COLLEGE**

Instructor: Mrs. Francilyn O’Brien SPRING 2014

e-mail: [francilyn.obrien@reedleycollege.edu](mailto:francilyn.obrien@reedleycollege.edu) Room: CCI200

Time: TTh 3:30 – 5:45

**COURSE DESCRIPTION:**

This is a first course in elementary algebra which will cover topics such as: algebraic expressions, linear equations and inequalities, linear equations and inequalities in two variables, exponents and polynomials, factoring and rational expressions.

**Subject Prerequisites:** Math 250, or equivalent

**REQUIRED TEXTBOOK**: Woodbury George, Elementary and Intermediate Algebra, Addison Wesley, 3rd ed, 2012; **MyMathLab ID: Obrien14409**

**REQUIRED MATERIALS**: 3-Ring Binder, pencils, ¼” graph paper, eraser, ruler

**ATTENDANCE:** Students are expected to attend all class meetings, be on time, and be in class the ***entire*** class session. **STUDENTS LEAVING CLASS BEFORE THE END OF CLASS WILL BE COUNTED AS BEING ABSENT! Six (6) absences** may result in a drop from the course. However, ***if you decide to drop the course, it is your responsibility to make the drop official in the Administrations and Records office or possibly receive a grade of F.***

**Behavioral Standards:** Personal needs (i.e., using the restroom, getting a drink, sharpening a pencil) must be taken care of before class begins. Please turn your phone off when entering the class. You may not use your phone as a calculator. No ipods and other unnecessary electronic gadget are allowed to be used during class. Do not bring guests to class. Loud, not subject-related conversations are not allowed during class.

Note: As a part-time instructor for Reedley College, I do not have an office and office hours. If you have any important message, please email me before class.

**TARDINESS:** Students are expected to be on time. It is distracting, rude and unfair to fellow classmates and to the instructor when a student is late. If you come in late, please see me before leaving or will be counted as absent.

**HOMEWORK/PROJECTS:** All homework must be done on MYMATHLAB and submitted on or before the due date. Your work should be done on a notebook. Problems must be written out (except word problems) and all work must be shown in order to receive credit. *Note: Being absent the day homework is checked does not entitle you to turn it in late!*

**TEST/QUIZZES:** There are no makeup exams for missed tests or quizzes. NO EXCEPTIONS!

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

* *Homework on MyMathLab: 25%*
* *Tests: 35%*
* *Midterm: 20%; 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.

***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, an attempt to gain an unearned academic advantage. Cheating may include, but is not limited to, copying from another’s work, supplying 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 of 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 OUTLINE AND OBJECTIVES**

**Math 201: Elementary Algebra Course Outline Instructor: F. O’Brien**

|  |  |
| --- | --- |
| **TOPIC** | **OBJECTIVES**  **Students are able to:** |
| 1. Review of Real Numbers   (Chapter 1) | * Perform operations on real numbers ; Identify properties of real numbers; Simplify expressions using the rule for order of operations; Locate & label points in the number line; Apply concepts to real-life problem solving; Translate phrases into mathematical symbols; |
| 1. Linear Equations and Inequalities   (Chapter 2) | * Simplify Expressions; Apply the properties of equality to justify steps in solving equations; Solve linear equations & inequalities; Apply problem solving strategies in real-life problems/applications. |
| 1. Graphing and Systems of Equations   (Chapters 3 & 4) | * Locate a point in the coordinate plane; Draw the graphs of systems of linear equations using different strategies/approaches; Solve systems of linear equations by applying substitution, elimination or graphing methods; Apply critical thinking and problem solving strategies in real-life problems/applications. |
| IV. Exponents and  Polynomials  (Chapter 5) | * Apply operations on exponential and polynomials expressions; Apply the properties of exponents in simplifying expressions; Apply the rules of special products in simplifying expressions; Apply critical thinking and problem solving strategies in real-life problems/applications. |
| V. Factoring & Quadratic Equations  (Chapter 6) | * Factor polynomials applying the most appropriate method; Solve equations by factoring ; Apply critical thinking and problem solving strategies in real-life problems/applications. |
| 1. Rational Expressions & Equations   (Chapter 7) | * Reduce rational expressions to lowest terms; Apply operations to simplify rational expressions; Solve rational equations; Solve complex fractions and proportion problems; Apply critical thinking and problem solving strategies in real-life problems/applications. |