

Math 256 – 52983: PreAlgebra
Mrs. Francilyn O'Brien
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REEDLEY COLLEGE
Fall 2012
Meeting Room: SOC-32
Meeting Times: MWF 12:00-12:50

COURSE DESCRIPTION:

This course is an introduction to some of the topics covered in Beginning Algebra. It will cover key concepts, principles and problem solving applications of the following topics: integers, expressions and polynomials, equations, some topics on fractions, some basic topics in geometry, and graphing linear equations. The course aims to strengthen students' skills to become more confident and ready for Math 101.

REQUIRED TEXTBOOK: PreAlgebra (4th ed) by Tom Carson
MyMathLab course ID to register: **obrien70803**

REQUIRED MATERIALS: Notebook, 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!** Three (3) 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. Do not bring guests to class. Loud, not subject-related conversations are not allowed during class.

Important dates & Notes:

- Aug 13:** Classes begin
- Aug 31:** Last day to drop w/o a W in person
- Sept 3:** Last day to drop w/o a W on Web Advisor:
- Sept 3** (Monday) Labor Day: No class
- Oct. 12:** Last day to drop a full term class
- Nov 12** (Monday) Veteran's Day: No class
- Nov 22-23** (Th-F): Thanksgiving Holiday, No class
- Dec 10 (M) :** Final Exam at 12:00 – 1:50 pm

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 turned in at the beginning of the class on the due dates. Homework will be checked during the first five minutes of the class. No late homework checks will be given. 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!

FINAL EXAM: A comprehensive final exam worth two tests will be given at the end of the semester during finals week.

Students are required to participate in all class discussions and activities. Please do not start the homework during class. You may not study for another class or read a book during class.

GRADING:

Weights

- 1) MyMathLab Homework & Quizzes-----30%
- 2) In class Long Tests -----60%
- 3) Final Exam -----10%

Grading Scale:

A	90% - 100%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	0% - 59%

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 256: Pre Algebra Course Outline

Instructor: F. O’Brien

TOPIC	OBJECTIVES
I. Integers (Chapter 2)	<p>Students are able to:</p> <ul style="list-style-type: none"> Identify integers; Interpret number lines and graphs with integers; Find the absolute value and additive inverse of a given number; Apply the four operations on integers; Apply the order of operations in evaluating/simplifying integers; Solve application problems involving integers
II. Expressions & Polynomials (Chapter 3)	<ul style="list-style-type: none"> Translate, simplify and evaluate expressions; Add, subtract, & multiply polynomials; Name the type of polynomial according to number of terms and according to its degree; Determine if a number is prime or composite; Determine the prime factorization of a number; Find the GCF of a number; Solve application problems involving polynomials; Divide monomials; Divide a polynomials by a monomial; Find an unknown factor; Factor the GCF out of a polynomial.
III. Equations (Chapter 4)	<ul style="list-style-type: none"> Differentiate between an expression and an equation; Check if a number is a solutions for an equation; Determine whether a given equation is linear; Solve equations by applying the properties of equality; Translate word sentences to equations; Apply critical thinking and problem solving strategies in solving real-life problems/applications.
IV. Fractions (Chapter 3)	<ul style="list-style-type: none"> Multiply & divide fractions
V. More with Geometry and Graphs (Chap 9)	<ul style="list-style-type: none"> Identify points, lines, line segments, planes and parallel lines; Identify angles; Solve problems involving angles formed by intersecting lines and angles in a triangle; Determine the coordinates of a given point; Identify the quadrant where a point lies; Plot points in the coordinate plane; Find the midpoint of two points in the coordinate plane; Determine that a point/ordered pair is a solution for a given equation with two unknowns; Find three solutions for an equation in two unknowns; Graph linear equations; Find the x- and y- intercepts; Solve problems involving linear equations in two variables using equations and graphs; Find the centroid of a figure given the coordinates of its vertices; Find the area of a figure given the coordinates of its vertices.

PACING GUIDE AND ASSIGNMENT LIST

Legend: a = all; e = even; eoe = every other even; o = odd; eoo = every other odd

August 2012	Mon	Wed	Fri
2.1 Pp 92-94, 1-67 eoo	13	2.2 Pp 101-104,2-60 eoe	15
			17
2.4a pp 121-122, 1-57 eoo	20	2.4 b pp122-123, 59-99 eoo	22
		2.5a p128, 2-60 eoe	24
2.5b p129, 61-81 eoo	27	2.6 p134-135, 2-20 eoe	29
		Chap 2 Test <i>Last day to drop w/o a "W" in person</i>	31
Sept 2012	3		5
NO CLASS <i>Last Day to drop w/o a "W" on Web Adviser</i>		3.1 pp150-151, 2-70 eoe	7
		3.2a p160-161, 1-41 eoo	14
3.2b pp161-162, 31-93 eoo	10	3.3a pp 166-167, 1-25 o	12
		3.3b pp167-168, 27049o	21
3.4a pp179-180, 2-56 eoe	17	3.4b pp180-181, 37-103 eoo	19
		3.5a p 191, 1-39 eoo	28
3.5b p192, 41-73 eoo	24	3.6a pp201-202, 1-51 eoo	26
		3.6b p202, 53-69 eoo	28
Oct 2012	1		3
3.7a pp207-209, 1-23 eoo		3.7b p209, 26-32 eoe	5
		Chapter 3 Test	12
4.1, 4.2 pp227-228, 1-25 eoo; Pp233-236, 1-45 eoo	8	4.3a p243-244, 2-34 eoe	10
		4.3b pp244-245, 35-51 eoo <i>Last day to drop a full term class</i>	19
4.4 p249, 1-27	15	4.5 pp260-261, 1-15 o; Review pp268-269, all	17
		Chapter 4 Test	26
5.1 pp282-284, 2-80 eoe 5.2 pp289-290, 1-49 eoo	22	5.3 pp302-304, 2-64 eoe	24
		5.4 pp315-317, 1-55 eoo	31
5.6a p333, 2-42 eoe	29	5.6b p335, 44-72 eoe	31

Nov 2012	Mon	Wed	Fri
			2 5.7 p345-347, 1-47 eoo
5.8a pp355-356, 1-33 eoo	5	7 5.8b p357,35-42 o; Review pp 371-373 all	9 Chapter 5 Test
NO CLASS	12	14 9.1a pp596-598, 1-43 eoo	16 9.1b pp599-602, 44-70 eoe
9.2a pp608-609, 1-19 o	19	21 9.2b pp609- 610, 21-33 o	23 NO CLASS
9.3a pp618-622, 1-35 eoo	26	28 9.3b pp622-623, 37-59 eo	30 9.4 pp628-631, 1-29 o
Dec 2012	3 Chapter 9 Review	5 Chapter 9 Test	7 Cumulative Review for Finals
FINAL EXAM 12:00-1:50	10	12	14