

Rio Hondo College
Math 50 : Elementary Algebra
Spring Semester, 2014

Prerequisite : Math 30(Pre Algebra) with a grade of "C" or better.

Class Meeting Time : 7:30 AM to 8:40 AM

CRN: 31414

Classroom: SC 311

Instructor : George Wang

Office : S320Q, telephone: (562) 463-7569; e-mail : gwang@riohondo.edu

My Website: faculty.riohondo.edu/gwang

Office Hours: Monday through Thursday: 7:00 to 7:30 AM,
Tuesday and Thursday: 11:05 AM to 12:05 PM, and by appointment.

Number of Units : 4

Text : Beginning Algebra : with applications , 8th Edition, Aufmann/Lakewood, Cengage 2013.
(ISBN : 978-1-111-57870-1) **Access to WebAssign is required.**

Required Material: A scientific calculator. **(Cell phone or other electronic devices are not allowed to be used in the classroom.)**

Objective : This course is an introduction to the basic principles and skills of algebra. It is designed primarily for those students who have had no prior training in algebra or need a review of the fundamentals of algebra. We will study the following topics: real numbers and their properties, operations with real numbers, integer exponents, solutions and graphs of linear equations and inequalities, slopes of lines, system of linear equations and applications, operations with polynomials, factoring, solving quadratic equations , simple rational and radical expressions. We will also spend a great amount of time on word(application) problems.

Student Learning Outcomes:

1. Given the description of real-world problem, students construct correct equations and/or inequalities to represent the problem and determine the correct solution or set of solutions. (Code 2579)
2. Students are able to find the slopes of a line, find equation of a line, and graph a line. (Code 3182)
3. Students are able to perform operations on polynomial, such as addition, subtraction, multiplication, and division. (Code 3189)
4. Students are able to solve system of linear equations in two unknowns using graphing, substitution and addition (elimination) methods. (Code 3190)

5. Students are able to perform operations on rational expressions, such as addition, subtraction, multiplication, division and solving equations with rational expressions. (Code 3191)
6. Students are able to perform operations on radical expressions such as addition, subtraction, multiplication, division and solving equations with radical expressions. (Code 3192)

Grading Policy :

- (1) Attendance and Performance : Attendance is mandatory. Your commitment is the beginning of your success in learning this course. Come to the class on time.
- (2) WebAssign: [10%] You will have to purchase the access code. (It can be bought at the bookstore or on-line). You need to go to <http://www.webassign.com>. Setup your account today, you can have two weeks grace period.
The class key is riohondo 3386 5786
- (3) Quizzes : [15%] *We should be prepared everyday to have a short quiz to help us recheck our study.* No make-up quizzes will be given.
- (4) Tests : [55%] We have five tests. The tentative dates are listed on the next page.
- (5) Comprehensive Final Exam : [20%] Monday, May 19, 2014. [31414] 7:00 AM to 9:00 AM

General Guideline for Letter Grade :

A = 90% or better; $80\% \leq B < 90\%$; $70\% \leq C < 80\%$; $60\% \leq D < 70\%$; F = others

Note : In order to master mathematics, we have to attend all class meetings. Also after each meeting, we have to spend **at least 2 hours** to read the textbook and to do the homework problems. Please make sure that we have read the book before we start working on the homework.

How can we be successful in learning this course?

- (1) Don't miss any of the following 59 class meetings.

Jan(4)	27	28	29	30														
Feb(15)	3	4	5	6	10	11	12	13	18	19	20	24	25	26	27			
March(13)	3	4	5	6	10	11	12	13	17	18	19	20	31					
April(18)	1	2	3	7	8	9	10	14	15	16	17	21	22	23	24	28	29	30
May(9)	1	5	6	7	8	12	13	14	15									

- (2) Students are expected to read the text thoroughly before coming to the class and doing the homework.

- (3) It is your responsibility to drop the course to avoid getting an F. The last day to drop without a “W” is Feb 18. The last day to drop semester length course is April 9.
 (4) Last day to add: 2-4-2014. Last day to drop for a refund: 2-4-2014.

(5) Last day to petition Pass/No Pass : 2-28-2014.

(6) Where can we get help when we have questions in our study?

- ◆ Visit me during my office hours or set up an appointment with me.
- ◆ In the MSC(Math & Science Center) located in the room S 300, you can get free tutoring help; and you may also watch a video tape; or you may work on a tutor program on a computer.
 The center opens Monday through Thursday(9 AM to 8 PM), and Saturday(9 AM to 2 PM).

(6) You should take notes. When you go home, you should review your notes and reorganize your notes. (Bring your power point notes to class.)

(8) How to prepare for a math test? Read the text. Do as many problems as possible. Review each chapter before the test. Do the chapter review exercises, chapter test and cumulative review exercises. (They can be found at the end of each chapter.)

Go to <http://faculty.riohondo.edu/gwang>, you can find some old tests for review.

(9) Come to class on time. If you are late, you should walk into the classroom quietly.

(10) We will go through the first three chapters very briefly. You are responsible for understanding these materials. Go to MSC to review these chapters ASAP if you have forgotten these topics.

(11) Tentative dates for our four tests: (subject to change.)

Test 1 : 2-13-2014	Test 2 : 2-26-2014, 2-27-2014	Test 3 : 3-20-2014
Test 4 : 4-17-2014	Test 5 : 5-1-2014	

Final exam : Monday, May 19, 2014. (7:00 AM to 9:00 AM)

(12) Turn off your cell phone and other electronic devices when class is in session.

(13) No food or drinks(except water) in classroom please.

(14) I wish you all will have a wonderful experience in learning mathematics.

(15) Any student with a disability, who believes that he/she may need accommodations in this class, is encouraged to contact the Disabled Student Program and Services as soon as possible to ensure that such accommodations are implemented in a timely manner. The office is located in room S205 and the telephone number is 562.908.3420.

Math 50 : Elementary Algebra (Homework Assignment)

Textbook : Beginning Algebra : with applications, 8th edition, Aufmann/Lockwood.

ISBN: 978-1-111-57870-1

YOU SHOULD WORK ON CHAPTERS 1 AND 2 HOMEWORK TODAY. Get as much work done as possible.

Note: For on-line homework, go to <http://webassign.com> and use the class key riohondo .

Section	Page	Textbook Number
1.1	5	33,37,41,61,65,69,73,81,85,89,91
1.2	15	121,123,135,139,141,159,161,163
1.3	28	9,15,21,27, 43,47,77,87,115,121,127,133,135,137,139,145,149,153,157,159,165
1.4	37	5,6,9,17,23,31,37,39,43,45,47,49,51,55,63
1.5	45	7to10,15,17,21,25,27,33,39,51,59,61
2.1	60	6,7,11,15,21,27,31,33,41,45,49,51,71,73,81,85,87
2.2	69	27,35,37,38,41,49,53,59,65,71,77,78,85,89,93,113,129,135,141,151,152,157,163,169,177
2.3	78	5,11,17,23,29,37,41,45,49,53,57,67,71,79,93, 97,101,105
3.1	94	9,13,19,28,29,35,43,63,71,79,80,93,101,113,119,127
3.2	104	1,19,27,31,35,36,43,49,53,55,65,66-69,73,79,81
3.3	116	8,9,29,37,41,43,45,59,63,73,81,84,85,91,107,119,125,137,138,141,143,147,151,155,157,165,171,175,186,193
3.4	129	7,8,9,11,15,17,21,29,41,45,58,59,61,65,67,77,83,101,105,117,129
		Go to faculty.riohondo.edu/gwang , do the old Test1. Turn your work in on the test day.

Test 1: Chapters 1,2, and 3.

Reminder: Make sure you have completed WebAssign homework before the due date.

Section	Page	Textbook Number
4.1	145	5,8,11,15,17,21,23,37,41,45,47,59,67,71
4.2	157	7,8,11,12,13,17,21,27,29,30,31,35,43,47,53, 59,65,73,77
4.3	166	9,10,13,17,19,29,30,35,37,39,47,49
4.4	171	5-10,13,19,29
4.5	178	8-11,15,23,31,35-38,43,49,53
4.6	185	9,15,23,29,33
4.7	190	6-9,11,15,21,27
		Do old Test 2, due on test day.

Test 2: Chapter 4(Part I and Part II: This test will take 2 class meetings.)

Section	Page	Textbook Number
5.1	209	9,10,11,15,19,23,25,29,31,32,33,35
5.2	222	2,5,11,12,17,23,27,33,39,41,61-65,77,85,87,93,99,101,109
5.3	236	11,12,15,21,31,37,41,45,61,65
5.4	246	7,8,13,15,21,27,28,31,33,37,47,51,69
5.6	262	1-3,9,13,17,21,23,31,32
6.1	280	7,13,19,21,23,25,27,37
6.2	286	7,8,13,21,37,45,49
6.3	291	5,6,13,15,19,41
6.4	297	7,8,11,15,23,24,27,31
		Do old Test 3 , due on the test day.

Test 3 : Chapters 5 and 6.

Section	Page	Textbook Number
7.1	310	11,12,21,25,37,38,41,45,53,57,63,65
7.2	315	3,7-9,21,27,33,40,41,45,49,53,57,67,73,79,81,85,89
7.3	322	11,12,17,25,37,43-45,49,63-67,77,85,95,105-107,111,117, 129-131,135,147,155
7.4	334	8-10,15,21,27,37,47,55,63,67,77,87,95,101,103,105,115,123
7.5	341	7,8,11,17,21,29,35,41,45,47
8.1	353	9,10,15,21,29,37,41,53,65,73,74,81,87,99,111,
8.2	360	7,9,17,33,47,55,69,71,81,107
8.3	369	10,17,33,41,51,63,67-69,77,93,105,133,137,141
8.4	375	1,2,3,9,10,13,25,33,49
8.5	379	7,15,27,39,45,47,51,57,61
8.6	384	9,10,11,15,23,35,47,53,63-65,71
		Do old test 4, due on test day.

Test 4: Chapters 7 and 8.

Section	Page	Textbook Number
9.1	401	10,11,13,17,25,31,39,41,45,53,67,71,75
9.2	408	6,9,11,13,21,41,43,45,69
9.3	414	5,6,7,9,11,13,15,17,37,41,45,47,61,63
9.5	431	10,11,12,13,17,19,25,39,41,43,45,59,63,83,87
9.7	446	5,6,7,11,17,19,23
9.8	452	9,10,11,13,15,33,34,35,37
		Do old test 5, due on test day.

Test 5 : Chapter 9

Section	Page	Textbook Number
10.1	470	13-15,21,27,33,39,47,51,57,58,61,65,69, 73,77,81,87
10.2	475	3,5,7,9,15,21,25,31,34,37,41,45,47
10.3	482	1,5,7,11,13,15,25,29,31,35,37,43,45,55,57,61,73,95,97
10.4	491	1,9,11,15,19,23,27,31,53,55,61
11.1	508	5,7,9,11,13,21,23,27,29,33,37,69,75,79
11.2	515	5,7,9,13,15
11.3	520	9-11,13,25
11.6	545	1-7,11,13,15,19,25
		Do practice final exam, due on the final's day.

Final Exam: Chapter 1 to 11.