

MATH 115 (Elementary Algebra) Spring 2014
Los Angeles Southwest College @TEC-211
MTWTh 9:35 AM-10:45 AM Feb 10 – June 2

Instructor: Mr. Ramos
EMAIL: RamosGA@LASC.edu

Web Page: www.LASC.edu/RamosGA Download practice final exam questions from the math department Study Guide.

Office location: TEC 281C **Phone:** 323-241-5262

Office Hours: MTWTh 9:10 -9:35AM, MTWTh 10:45-11 AM, &
Tuesdays and Thursdays 11:00 AM-12:30 PM, all in **TEC 281C**

Prerequisites: Passed Math 110 with a “C” grade or appropriate score on placement exam

Textbook: **BEGINNING ALGEBRA Custom Bundle** by Lial-Hornsby-McGinnis ISBN# 1-256-27678-2 textbook with MYMATHLAB (software required) **Register ASAP online and log in at** <http://pearsonmylabandmastering.com/?cc> with Course ID ramos66341

Attendance/ 1. Class begins at 9:35 A.M. Be on time!
Tardy Policy: 2. If you miss **any** day of the first week of class's you **will be dropped**.
3. This is a 5-unit course. You will be allowed 5 hours of absence time. This translates into approximately **four** allowed absence days (**unexcused or excused count**). Arriving late three times or leaving early three times counts as one absence! I may take roll anytime during the class. If you are not present during roll time, it's your responsibility to let me know that you were late by class end or else it will count as an absence. **Students are responsible for all announcements made in class regardless of their presence.**
*****A student **will be dropped** once he/she either misses 5 or more hours of class time or on the fifth absence. - **No Exceptions*******
It's your responsibility to drop!

Adding Policy: Add **deadline** Monday Feb 24 (NO EXCEPTIONS) Ticket No. 1665

Material
Covered: **Sections Covered:** Chapter 1-9 **The entire book! – Bring your textbook to class daily.**
This course prepares students for their second course in Algebra.

Course Outline:We will have a balance approach to mathematics utilizing computational skills, conceptual understanding and problem solving.
Objectives:
1. Solve problems that involve integers, signed fractions and decimals applying properties of real numbers.
2. Evaluate and simplify algebraic expressions.
3. Solve linear equations and inequalities in one variable using the properties of equality.
4. Solve various application problems involving: unknown numbers, consecutive integers, geometric formulas, ratio and proportion, percent, mixture, simple interest, denominations of money, and distance-rate-time.
5. Graph linear equations using intercepts, slope and y-intercept. Find the slope of a line from its graph or from the equation. Find the equation of a line by using slope and y-intercept or using two points on the line. Graph linear inequalities in

two variables.

6. Solve systems of linear equations by graphing and algebraic methods.
7. Simplify expressions using rules for positive and negative exponents. Add, subtract, multiply, and divide polynomials. Apply special product formulas.
8. Use appropriate strategies in factoring out the greatest common factor, factoring by grouping, factoring trinomials, special binomial factorization formulas and perfect square trinomials. Solve quadratic equations by factoring with applications.
9. Simplify rational expressions by factoring and dividing out common factors. Add and subtract rational expressions having the same or different denominators. Simplify complex fractions. Solve equations and applications with rational expressions.
10. Identify and apply different techniques for simplifying radical expressions. Solve radical equations and applications with radical expressions or formulas.
11. Solve quadratic equations and applications by the square root property, completing the square method and quadratic formula.
12. Review from common final exam study guide given by math department.

Mathematics is sequential and we will cover the following material as such:

Chapter 1: Sections 1.1, 1.2, 1.3, 1.4	Week #1
Sections 1.5, 1.6, 1.7, 1.8 and review for Test#1	Week #2
Test on chapter 1	Feb 20
Chapter 2: Sections 2.1, 2.2, 2.3, 2.4	Week#3
Sections 2.5, 2.6, 2.7, 2.8	Week#4
Chapter 3: Sections 3.1, 3.2, 3.3, 3.4	Week #5
Sections 3.5, 3.6 and review for Test#2	Week #6
Test#2 on chapters 2 and 3	March 20
Chapter 4: Sections 4.1, 4.2, 4.3, 4.4	Week#7
Chapter 5: Sections 4.5, 5.1, 5.2, 5.3	Week#8
Sections 5.4, 5.5, 5.6, 5.7 & review for Test#3	Week#9
Test#3 on chapters 4 and 5	April 17
Chapter 6: Sections 6.1, 6.2,	Week#10
Sections 6.3, 6.4, 6.5, 6.6	Week#11
Chapter 7: Sections 7.1, 7.2, 7.3, 7.4	Week#12
Sections 7.5, 7.6, 7.7 & review for test#4	Week#13
Test#4 on chapters 6 and 7	May 15
Chapter 8: Sections 8.1, 8.2, 8.3, 8.4, 8.5, 8.6	Week#14
Chapter 9 Sections 8.7, 9.1 & 9.3 & review for final exam	Week#15

Final Exam: Wed June 4@ 10:15 AM-12:15 PM. You must take the final exam to receive a passing grade.

SLO's: As a result of this learning experience a student can:
1. [Graph a linear equation in two variables by finding the x and y intercepts.](#)
2. [Apply the problem solving technique to applied problems.](#)

Math Lab: **Students enrolled in this course are required to spend about 1.25 hours each week in the Math Lab for a total 18 hours by semester's end. Location: Tec 190. Hours of operation: MTWTH: 9:30am-7pm, Sat: 9am-1 PM (subject to change-See lab.) Free tutoring & workshops are available. Last day to complete your 18-hour obligation is Saturday Dec 7.**

Homework: This class requires you to submit the homework online via, MYMATHLAB. Homework will be assigned every meeting and it is to be done daily online. The online tool, does not allow late submissions of homework (it locks you out after the due date.)

Homework assignments may consist of two parts. Homework Part I: Homework assigned online using MyMathLab software provided with your textbook bundle. **H.W. Part II** consists of Learning Activity worksheets which will be submitted in person on most test days.

Grading:

Homework (Due on every test day) Note cards (due every other test day)	10%
Tests	60%
Final Exam (Comprehensive, departmental)	20%
In class work /participation and Quiz's	5%
Math Lab (18 hours) Mandatory	5%

A 90-100% **B** 80-89.5% **C** 70-79.5% **D** 60-69.5% **F** below 60%
To pass the class (receive "**C**" grade), your overall grade must be at least 69%.

ALL EXAMS ARE CLOSED BOOK AND NO NOTES. NO CALCULATORS ARE ALLOWED!

***** **THERE ARE NO MAKEUP EXAMS/QUIZ*******

Note: If for any reason you do not take a test, I will drop one Test (lowest **or** one missed); This **does not** apply to a missed final exam, or an exam in which a student received a "0" due to the academic dishonesty policy.

ACADEMIC DISHONESTY: Cheating will not be tolerated. You will be reported without hesitation to the appropriate school authorities and **receive a "0" grade** for the assignment.

Calculator Policy: All of the skills related to the course must be demonstrated without the use of a calculator. Calculators **will not** be permitted on exams or on any activity in class.

FOOD/DRINK POLICY: No food, No drinks, No Gum in class. **Only** clear bottled water allowed.

CELL PHONE/ELECTRONICS DEVICES POLICY: Please put away (not on your desk or lap) and Turn off (or silent mode) **all** electronic devices and cell phones during class.

Text messaging is not allowed during class.

If there is any cell phone use, including texting you may be asked to dismiss yourself from that class meeting. Cell phone use during an exam: You will **receive a "0" grade** on the exam, if any electronic device is on your desk or is used during the exam period.

If your cell phone rings anytime during class time, it will count as an absence.

Note: Please limit your talking during class to discussions with the instructor. Talking during class is not acceptable; respect your peers by listening and participating at the appropriate times

STUDENT CONDUCT: Each of you is expected to contribute to each class session by arriving on time, being attentive, and participating in the class discussion/problems. Disruptive conversions, eating, texting, any cell phone use, and sleeping are not acceptable behaviors in the class environment. **Inappropriate language will not be tolerated during class (you will be dismissed from class.)** In addition to arriving on time, students are expected to stay the whole class period. Please avoid disrupting fellow classmates by arriving late or leaving early. Students are encouraged to ask questions. The only wrong question is an unasked question; if asking that question would have improved your understanding. I will attempt to answer all student questions during class.

Conduct: Dishonest or **disruptive behavior** is grounds for being dropped from the class.

Drop deadlines: no "W" Sunday Feb 23*(online) and Drop with a "W" deadline May 11*(online)

Holidays: Mon Feb 17 Presidents Holiday, Mon March 31 CESAR CHAVEZ Day, Apr 7-Apr 13 Spring Vacation, Mon May 26 Memorial Day, & Non-instructional day Tues May 27.

Student ID checking: I will be checking for a valid picture ID (CA ID/DL or Student ID)

Students with disabilities who need any assistance or accommodations should contact the instructor by the end of the first day of class. FYI- DSPS office (323) 241-5480 located@SSB117

Steps for success in math:

1. Buy your book today! **And bring it to class daily!** (2 copies in library, 2 copy in Math Lab, & 1 in my office during office hours only)
2. Attend class regularly and be on time ready to learn.
3. Ask questions.*
4. Find a quiet place to do your work.
5. Before you attempt your homework: Read your book carefully, work out the examples in the book, Reread your class notes and practice the examples worked in class.
6. Start your homework soon after class.
7. Completing the homework and studying are different. After completing the HW, go back and review (study) the major ideas that have been presented thus far.
8. Learn from your mistakes and successes. When you receive your quizzes/Tests (regardless of what the score is), find time to re-do them. Re-do your Tests 3 to 5 times on weekends until you know the information well.
9. **Required Improvement Plan:** If any test score is below 65 then follow:
Step 1-Redo each problem which was incorrect on a separate sheet of paper in the math lab.-**Do not write on your original test paper!**
Step 2- Come in during office hours, so that I may check your corrections.
Step 3- You shall retake the test.
Step 4-Maintain a math journal- Keep track of your common mistakes and errors. (Review them periodically.) - Being aware is very helpful!
10. Prepare for each test.
11. Attend office hours and Math Lab.
12. NEVER GIVE UP!

LEARNING COMES FROM DOING!

MATH 115 HOMEWORK ASSIGNMENTS

Logon to mymathlab.com to view and submit assigned homework weekly.

You may also watch a lecture/topic which you may need further clarification.

Watch a lecture which you may have missed in class.

Get step by step help on all homework topics; all on mymathlab.com

*Indicates Online or Sunday deadline - transactions must be processed online only.

Seating arrangements: Open, but instructor reserves the right to assign seating at any time.

SUBJECT TO CHANGE.