West Los Angeles College
Mathematics Department
Fall 2015 Course Syllabus

Course: **Mathematics 245 College Algebra-Hybrid Course**
Online Section: 8560, 3 Units   Instructor: Patricia Arriola
Email: arriolp@lacitycollege.edu
Days/Time: Sat 8:00-10:10a.m.   Room: MSA-006
                & 0:50 hrs/wk Online at MathXL

Office Hours: Saturdays: 10:10 to 10:45a.m. at MSA-006.
.

Course Description:

Prerequisite: Mathematics 125 with a grade of "C" or better.
The course discusses relations, functions and their graphs, matrices and
determinants, theory of equations, permutations, combination, probability,
sequences and series, and conic sections.

Course Requirements:

**You will need a license code for MathXL. You should have a code by the first week
of class. In order to register for this MathXL course students need both:** Course Key:
`XL1M-B1EL-401Z-1BJ2` **and your purchase MathXL license access code from
MathXL. Etudes-NG will be the platform use to administrate this course: student
needs to login to Etudes-NG at** http://myetudes.org/portal **to check for announcements
and to post their questions under the discussion tab.**

This course will be interactive. Students can e-mail the instructor 24/7. Instructor will
answer e-mails everyday by 9 p.m. Student poses a problem. The instructor will answer it
with ms word document or a podcast. These videos will be available in different formats
like a windows file, podcast, mv4, mp3 file, and more. These files, videos can be
downloaded on iphones, blackberry, blackjack phones, any smart phone, iPods, mp4
players, or any portable device.

The material to be covered this semester will include material from Chapters 1 to 10 of
the text.

1. Student is required to study and practice the material covered for the week before
    coming to class. These practice problems and videos are available on MathXL under
    each homework **assignments Tab.**

2. Weekly multiple choice homework assignments will be given on every section is
    worth 25% of your final course grade. These assignments will be graded. Homework

is to be completed and submitted on MathXL. Homework assignments will be under **my assignments Tab**. Every Saturday morning the homework assignments will be available on MathXL. Homework assignments are due Saturdays before 11:59p.m. pacific time I DO NOT ACCEPT LATE HOMEWORK.

3. There will be four on campus exams (bring a scantron form 882-E (100 questions), and a blue/green book), NO scantron, No blue/green book, NO EXAM! scientific calculator and #2 pencil).Each of the four exams is **worth 15%** of your final course grade. Count the three highest scores. **If you are found committing any act of academic dishonesty (cheating), you will receive a negative one hundred percent score (-100%) for this test. You will not be able to drop this negative score.**

4. **There is only one make up exam with an excused absence.** Makeup examinations will be given only one day after the original exam to those students possessing **documented valid excuses. Advanced notice is mandatory.** Don't miss an examination and then show up. Write me ahead of time and make an arrangement to take the test. In order to be fair to the students who took the exam as scheduled, makeup examinations will always be substantially more difficult than the original.

5. There will be one on campus Final exam (bring a scantron form, exam booklet and #2 pencil, scientific calculator), **worth 30%** of your final course grade.

   The **Final exam** is on: Saturday 12/19/2015
   Time: 8:00-10:00a.m (Room MSA-006). **Chapters 1 - 10.**

6. In addition, to the exams, projects on MathXL will be assigned throughout the semester. All given extra credit work assignments will equal to a maximum of 5% of your final grade. Project assignments are due on Saturdays before 11:59 p.m. pacific time. **I DO NOT ACCEPT LATE PROJECTS.**

7. The instructor has the option of excluding you from the course. If you are not active in class or doing failing work, I will utilize this option at the earliest possible date. Once you have been excluded, there will be no reinstatement.

Institutional SLOs—Student Learning Outcomes

A.) Critical Thinking: Analyze problems by differentiating fact from opinions, using evidence, and using sound reasoning to specify multiple solutions and their consequences.

C.) Quantitative Reasoning: Identify, analyze, and solve problems that are quantitative in nature

F.) Technical Competence: Utilize the appropriate technology effectively for informational, academic, personal, and professional needs.

Program SLOs

1.) Apply quantitative thinking processes using basic mathematical operations to solve common academic, workplace, and family problems. (Theme: mathematical operations)

3.) Use mathematical tools essential for analyzing quantitative problems and for producing solutions. (Theme: mathematical tools)

5.) Select appropriate math strategies for solving and handling real life problems involving finance, economics, and family issues. (Theme: mathematical problem-solving).

Specific Learning Objectives:
Upon satisfactory completion of the course, a student will be able to:
Use information about a function's domain, range, symmetry, intercepts, local maxima, local minima, asymptotes, and intervals of increasing or decreasing to provide a graph for a given function.

To the following Standard:
1. Identify all intercepts
2. Determine the domain and range of a function
3. Use the transformations to generate a graph
4. Synthesize information about the transformations to generate a function and to solve applications problems.
   Acceptable: The student will be able to identify intercepts and the general graph.
   Unacceptable: The student is not able to identify intercepts.

Course Objectives

1. graph linear functions and understand their properties
2. analyze polynomial functions and solve polynomial equations
3. perform algebraic manipulations involving radicals, exponents, rational expressions, and logarithms
4. analyze and graph conic sections
5. use matrices to solve a system of linear equations
6. evaluate determinants and understand their properties
7. compute and use permutations and combinations
8. compute basic probabilities
9. calculate with arithmetic and geometric sequences and series
10. understand and use the Binomial Theorem
11. apply Mathematical Induction

Grading Criteria:

Homework 25%

3 Exams (15 % each) 45%

Final Exam 30%

Extra Credit 5%

Your final grade will be a letter grade based on the following percentages:

A	**90-100%**	
B	**80-89%**	
C	**68-79%**	
D	**60-67%**	
F	**59% and less**	

Attendance: If you miss more than 1 meeting (a week) of the course, the instructor has the option of excluding you from the course. If you are doing failing work, I will utilize this option at the earliest possible date. Once you have been excluded, there will be no reinstatement. If you miss a class e-mail your instructor before or right away.

Calculators:

In this and future courses, the use of calculators is permitted and encouraged. I advise you to buy a scientific calculator. **You may not use your cell phones as calculators during quizzes or examinations!!! Get a scientific calculator!!**

Cell Phones:

Cell phone use is strictly forbidden in the classroom. If you possess a cell phone, it must be set on silent vibrate mode. If you absolutely must take an emergency call, please exit the classroom quietly and do so outside.

Extra Help.

MathXL Practice Exercise sets offer powerful learning tools such as a Step-by-Step guided solution and a worked Example problem for each exercise. Practice Exercises are mostly free-response questions with a math symbol palette, along with a few multiple-choice, true/false, and fill-in-the-blank questions. Students can check their answer on each exercise of the Practice Exercise sets, and work a similar problem until they understand the concept. Practice Exercises can be printed out for easy reference. There is tutoring available in HLRC and Online tutoring will be done via email, a message board, a white board and by phone. The tutoring link is at http://www.wlac.edu/online.

For those of you who have a physical or learning disability, there is extensive variety of services through the Office of Disable Students Programs and Services located in the HRLC 119 (PHONE 310-287-4450). If you think that you qualify for their services, contact the office immediately to better ensure such accommodations are implemented in a timely fashion.

Academic Honesty: will be strictly and vigorously enforced- NO CHEATING-PLAGIARISM or OTHER FORMS OF DISHONESTY WILL BE TOLERATED. Any cases of either will be referred to the Dean of Students for disciplinary action. For

more on acceptable behavior, read *Standards of Student Conduct* on page 119 of the Schedule of Classes.

Text
Sullivan, Michael, <u>College Algebra</u>, 9th Edition. Pearson Education , Inc.

Required Software License
MathXL

On Campus Final Exam Date:
Saturday 12/19/2015   Time: 8:00-10:00a.m. (Room MSA-006).
 Chapters 1- 10.

Bring a scantron and a blue/green book before the test (NO Scantron, No blue/green book NO TEST!), scientific calculator and #2 pencil.

Most of us are dealing with a lot besides class: job (or job hunt), family problems, child care, health issues, housing issues, and all the other impacts of the deep crisis in our society today. The **WLAC Health Center** can hook you up with a counselor to help you deal with stress. Other programs on campus that can include **Workforce Development, TRIO-SSS, EOP&S, Counseling**, the Veterans' Office, and **DSPS**. Please speak to your teacher – or contact me by person or email – and I will try to point you in the right direction.
The LA County hotline is **211** – it refers you to publicly available services in your area.

Mathematics 245 Tentative Course Schedule

Homework
The homework assignments consist of several problems in each section. Homework
assignments are due on Saturdays before 11:59p.m. pacific time **I DO NOT ACCEPT
LATE HOMEWORKS.** Homework assignments are done on MathXL. Students need to
complete and submit homework on the computer on MathXL under my assignments Tab.
I DO NOT ACCEPT LATE HOMEWORK.

	Week of	Saturday
1	09/05	Course Orientation; Assessment Quiz.
2	09/12	1.1-1.4
3	09/19	1.5-1.7
4	09/26	Exam (Chapter 1) Homework Due: Sec 1.1 -1.7
5	10/03	2.1 -2.5
6	10/10	Exam (Chapter 2) Due Homework Sec 2.1 – 2.5
7	10/17	3.1-3.5, 4.1,4.3
8	10/24	4.5,5.1,5.5 , 5.6
9	10/31	Exam (Chapters 3,4) Homework Due: Sec 3.1-3.5,4.1,4.3,4.5
10	11/07	6.1-6.5
11	11/14	6.6-6.7,8.1-8.3
12	11/21	Exam (Chapters 5,6) Homework Due: Sec 5.1,5.5,5.6 6.1-6.7
13	11/28	**Holiday**
14	12/05	8.7,9.1-9.3,9.5 Extra Credit Due: Sec 8.1,8.2,8.3
15	12/12	7.2-7.4,9.4 ,10.1-10.3 Extra Credit Due: Sec 8.7 Review
16	12/19	FINAL EXAM 8:00-10:00a.m.

The above course schedule is subject to change any day**.**

MathXL®

How to Register and Enroll in Your Course

Welcome to MathXL! Your instructor has set up a MathXL course for you.

The course name is: Math 245 College Algebra (1)

It is based on this textbook: *Sullivan: College Algebra, 9e*

To join this course, you need to register for MathXL and then enroll in the course.

1. Registering for MathXL

Before you begin, make sure you have the access code that comes with your MathXL Access Kit.

To register or buy access, go to www.mathxl.com, click the **Student** button in the Register section, and then follow the instructions on the screen.

2. Enrolling in your instructor's course

After registering, log in to MathXL with your username and password. To enroll in this course, enter the following Course ID:

The Course ID for your course is: XL1M-B1EL-401Z-1BJ2

Need more help?

To view a complete set of instructions on registering and enrolling, go to www.mathxl.com and visit the Tours page.

How to log in to ETUDES

In order to log in to your online course, you need to know your ETUDES **User ID** and **Password**. Please follow the ETUDES login instructions below.

Please be aware that you may not log in to online courses until the official start date of the term. Your User ID and Password will not work before the first day of class.

ETUDES User ID

First 2 letters of first name +

First 2 letters of last name +

Last 5 digits of Student ID # (Not your Social Security #)

Example:

Jose Garcia has the following Student ID: #880123456

Based on this example, Jose's ETUDES **User ID** would be = **joga23456**

ETUDES Password

MonthDay of birth in school records

(Type using all lower case letters)

Example:

Jose Garcia's birthday is April 11th, 1982 (04/11/82). Based on this example, Jose's ETUDES **Password** would be **0411**.

NOTE: This is a permanent account that you will use for all ETUDES courses for this term and all subsequent terms. Your login information does not get reset from term to term. If you change your password, the change will apply to all of your current and future courses. Please save your login information for future reference.

Important! Drop Date Information

The deadline to drop without a "W" is the last day of Week 1 (of the semester), which is Sunday, **September 13th** for Fall 2015. If you must drop a course, drop before the specified deadline for dropping a class without a grade of "W." Dropping *after* Week 1 will result in a "W" on your transcript. **Effective July 1, 2012** students will only have 3 attempts to pass a class. If a student gets a "W" or grade of "D", "F", "I", or "NP" in a class, that will count as an attempt. *A student's past record of course attempts district wide will also be considered.* Therefore, before the end of Week 1 you should carefully consider if you can reasonably manage this course with the other factors in your life (e.g. work, family, course load). **If you think you will not be able to complete this course with a C or better, drop by** Sunday, **September 13th.** If you have any questions, please don't hesitate to talk to me or e-mail me. You may also see a counselor in the Counseling Center.