MATH 245 SYLLABUS
FALL 2017

LOS ANGELES MISSION COLLEGE

Section 25915 (TTh 10:35 AM —12:00 PM) in CMS 126

INSTRUCTOR: BAMDAD SAMII

➢**Office hours:**

MW	8:30 AM - 9:20 AM in **CMS 124**	
TTH	8:30 AM - 10:30 AM in **CMS 124**	

or by appointment in **CMS 124**

➢**Phone number:** 818-833-3379

➢**Email:** samiib@lamission.edu

➢**Web:** www.lamission.edu/~samiib

Text:

College Algebra
Lial, Hornsby,11th ed.
With MyMathLab

Prerequisites:

A grade of C or better in math 105, or appropriate skill level demonstrated through the math placement process.

Course Description:

The topics in this course include the properties of real numbers, relations, functions and their graphs, matrices and determinants, complex numbers, theory of equations, permutations, combinations, and probability.

Teaching Philosophy:

I believe that that the most important aspect of learning mathematics is the development of critical reasoning. I find this belief to be driving force in my passion for teaching mathematics. Some of you may pursue mathematics beyond the minimum required courses, but the majority will choose not to go beyond that. The ability to think logically and reason abstractly will be a skill that you will use beyond your school years and in your everyday life whether you realize it or not. I always try to build my lectures and examples with the goal of developing the reasoning for using each skill and method. Learning mathematics begins with understanding the "why" rather than the "how". Every time a new topic is introduced I will try to make sure that you understand why we are going to adopt a certain method of doing the problems. A good example should not only demonstrate the skill needed for solving a problem, but also the reason that skill is the right skill or at least the preferred skill.

"I expect you all to be independent, innovative, critical thinkers who will do exactly as I say!"

I also believe that once you have the necessary foundation then most mathematics is learned by doing. A lecturer's role is to provide basic directions, clarify the reasons for taking certain steps and point out the pitfalls of each method. After that you should be provided the opportunity to practice those skills in class preferably in small groups so that you can learn from each other's mistakes and benefit from explaining your methods to others.
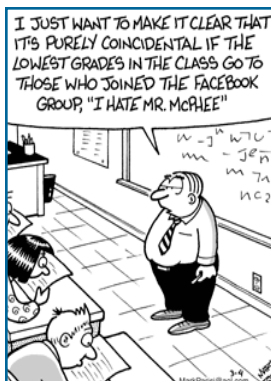
Grading:

Tests:　　　　　　　　　　　　**55**% of the grade

There will be 5 tests during the semester. **The tests will be cumulative and include problems similar to those from previous tests**. *Your lowest test score will be replaced with your score on the Final (unless the score is zero assigned due to academic dishonesty).*

The tentative dates for these tests are: 9/19, 10/10, 10/24, 11/7, and 12/5

There will be no make-up tests given without prior authorization or an official medical notice.

Assignments:　　　　　　　　　**15**% of the grade

These include class work and homework in addition to quizzes.

Students enrolled in this section of Math 245 are required to register with My MathLab online program and enroll in my section **course ID: samii91892** To complete the required online homework and quizzes. The access code for MyMathLab will be packaged with the new text book sold in the bookstore. Textbooks purchased online or at other bookstores may not include the access code for MyMathLab. In that case students may purchase the access code for MyMathLab separately online at *http://www.coursecompass.com/.*

Final:　　　　　　　　　　　　**30**% of the grade

The final is on December 14, 10:00 AM – 12:00 PM and covers the entire

Grades:

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

> **"Learning is not something that happens to students, it is something that happens by students."**

Attendance:

Attendance is not part of your grade but it is a crucial part of learning and a major factor in your success.

*You may be **excluded** if you have an excessive number of unexcused absences or tardiness but it is your responsibility to drop the class if you do not want to continue. Please do not assume that I will necessarily exclude you.*

Calculators:

You will need a scientific calculator capable of performing trigonometric operations. Cell phone, tablets, or Ipods are not allowed on exams. Graphing calculators may not be allowed on some exams..

I JUST WANT TO MAKE IT CLEAR THAT IT'S PURELY COINCIDENTAL IF THE LOWEST GRADES IN THE CLASS GO TO THOSE WHO JOINED THE FACEBOOK GROUP, "I HATE MR. McPHEE"

Student Learning outcomes:

1. Solve and/or graph higher order equations, functions, systems of equations and inequalities.
2. Calculate sums and terms of sequences and series.

Other resources:

Tutoring:

If you have questions and cannot make it to my office hours, or you just like to get more help, free tutoring is available at the STEM center located in CMS 121.
MyMathLab online tutorial can be accessed in the Math Center computers or any other computer with Internet access.
Video lectures for each section of each Chapter of the textbook are accessible through MyMathLab under Multimedia Library on the left column and selecting "Section Video Lecture".

Counseling Office:

The Counseling Office is located in the student services annex and provides assistance with academic goals,Career planning, and personal concerns. All students are strongly urged to make an appointment with a counselor prior to registering for classes for the purpose of establishing a program of study.

(*www.lamission.edu/counseling*)

Disabled Students Programs & Services (DSPS):

LAMC students with verified disabilities who are requesting academic accommodations should use the following procedure:

Step 1: Obtain documentation of your disability from a licensed professional. You may contact DSPS to request a *Disability Verification Form.*

Step 2: Make an appointment to meet with a DSPS Specialist to review your documentation and discuss reasonable accommodations. To schedule a meeting, please call DSPS at

(818)364-7732.

Step 3**:** Bring your disability documentation to your DSPS appointment. The DSPS office is located in room 1018 of the Instructional Building.

Step 4: *Each semester*, reach written accommodation agreement with the DSPS Specialist and your instructor.

To be most effective, students should complete this process by the end of the 3rd week of the semester. Tests with required accommodations must be taken at the DSPS office.

Classmates' Phone numbers:

STANDARDS OF STUDENT CONDUCT:

Dishonesty, such as cheating, knowingly furnishing false information to instructors and college personnel, turning in work that is not one's own (plagiarism) will be grounds for disciplinary action at LAMC according to the Standards of Student Conduct. The penalty may range from no credit for the assignment up to an "F" grade and disciplinary action.

Important dates:

Last day to add a class:	9/10	Last date to drop without a W	9/11
Last date to drop with a W	11/19		

Anticipated Daily Schedule (The dates are subject to change):

8/28	8/29 R3	8/30	8/31 R4 / R5 / R6	9/1
9/4 Labor Day	9/5 R7 / 1. / 1.2	9/6	9/7 1.3 / 1.4 / 1.5	9/8
9/11	9/12 1.6 / 1.7	9/13	9/14 1.8 / Review	9/15
9/18	9/19 **Test 1**	9/20	9/21 2.1 / 2.2	9/22
9/25	9/26 2.3 / 2.4	9/27	9/28 2.5 / 2.6	9/29
10/2	10/3 2.7 / 2.8	10/4	10/5 Review	10/6
10/9	10/10 **Test 2**	10/11	10/12 3.1 / 3.2	10/13
10/16	10/17 3.3 / 3.4	10/18	10/19 3.5 / Review	10/20
10/23	10/24 **Test 3**	10/25	10/26 4.1 / 4.2	10/27
10/30	10/31 4.3 / 4.4	11/1	11/2 4.5 / Review	11/3
11/6	11/7 **Test 4**	11/8	11/9 5.1 / 5.2	11/10
11/13	11/14 5.2/ 5.3	11/15	11/16 5.4	11/17
11/20	11/21 5.5	11/22	11/23 Thanksgiving	11/24
11/27	11/28 7.1 / 7.2	11/29	11/30 7.3 / Review	12/1
12/4	12/5 **Test 5**	12/6	12/7 Review	12/8
12/14 **Final 10:00 AM —12:00 PM**				