

COLLEGE ALGEBRA

Math 245, Fall 2012, LAMC

Instructor: George Craciun ; georgecraciun13@gmail.com ; (818)312-7538

Class meeting: 7:30 – 8:55 , MW , CMS 022

Office hours: 9:15 – 10:15 , CMS 121 ; 1:15 – 2:15 PM , Math Center.

Textbook: “College Algebra” , by Lial, Hornsby, Schneider, Daniels , 11-th edition.

Course content: We will cover:

- 1)Polynomials, factoring, graphs, zeroes of polynomials.
- 2)Linear and nonlinear equations and inequalities.
- 3)Functions, graphs, operations, exponential and logarithmic functions.
- 4)Systems of equations, matrices.
- 5)Sequences and series.

Student Learning Outcomes: To the end of the course students must be able to:

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

Grading Policy: There will be four mid-term exams , and a cumulative final exam.The grading scheme is as follow:

- Mid-terms (60%).....60% (15% each)
- Final (cumulative).....30%
- Homework and attendance.....10%

90% guarantees an A, 80% a B, 70% a C , 60% a D , bellow 60% an F .

Course Policy: Come in time in class and keep quiet. Do not live the class earlier without my permission.

Put the cell phone on silent mode. Bring the HW every Mo clean, organized, stapled, and signed.

Course organization:

Week	Date	Monday	Wednesday	HW
1	08/27,29/12	R1, R2, R3	R4, R4, R6, R7	1...116 eoo , pag 73.
2	09/03,05/12		1.1 , 1.2	1.1: 9...69 eoo 1.2: 19...40
3	09/10,12/12	1.3 , 1.4	1.5 , 1.6	1.3: 37...102 eoo ; 1.4: 13...65 eoo 1.5: 5...21 ; 1.6: 1...34 eoo ; 35...92 eoo
4	09/17,19/12	1.7 , 1.8	2.1 , 2.2	1.7: 13...92 eoo ; 1.8: 27...80 eoo 2.1: 11...30 odd ; 2.2: 1...40 eoo
5	09/24,26/12	TEST # 1 Ch. R , 1.	2.3 , 2.4	2.3: 23...38 2.4: 35...58 odd
6	10/01,03/12	2.5 , 2.6	2.7	2.5: 5...26 odd ; 45...54 odd: 2.6: 11...39 odd; 2.7: 7...24 ; 49...75 odd
7	10/08,10/12	2.8	3.1 , 3.2	2.8: 33...46 odd ; 63...78 odd 3.1: 13...26 odd ; 3.2: 1...17 odd
8	10/15,17/12	3.3	3.4	3.3: 29...42; 49...56 odd; 75...85 odd; 91...100 3.4: 29...39 odd ; 47...57 odd; 56...67 odd
9	10/22,24/12	3.5	4.1	3.5: 61...81 4.1: 59...76
10	10/29,31/12	TEST # 2 Ch. 2 , 3	4.2 , 4.3	4.2: 17...28 odd; 29...40 odd; 61...86 odd 4.3: 13...36 odd; 51...56
11	11/05,07/12	4.4 , 4.5	5.1 , 5.2	4.4: 79...90 ; 4.5: 5...78 eoo 5.1: 31...39 ; 47...58 odd ; 69...74 5.2: 15...42 odd
12	11/12,14/12		TEST # 3 Ch. 4	
13	11/19,21/12	5.2 , 5.3	5.4 , 5.5	5.3: 79...102 odd ; 5.4: 1...34 odd 5.5: 9...44 odd
14	11/26,28/12	TEST # 4 Ch. 5	7.1 , 7.2	7.1: 23...28 ; 29...46 odd 7.2: 33...41 ; 13...21
15	12/03,05/12	7.3	7.5, Review	7.3: 5...12 ; 27...32 7.5: 1...14
16	12/10,12/12	FINAL 7:30 – 9:30		Try AMATYC problems!