TRIGONOMETRY

Math 240, LAMC, Spring 2013

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

Class Meeting: TTh, 8:50 – 10:15 AM , CMS 029

Office Hours: TTh, 1:00 – 2:30 PM , Math Center.

Text Book: Trigonometry, 10-th edition, by Lial/Hornsby/Schneider/Daniels

Course Content: We will study the trigonometric functions, their values, graphs, inverse trigonometric functions, trigonometric identities and trigonometric equations. Also we will study applications in solving triangles, complex numbers, polar coordinates and graphs.

Students Learning Outcomes: - Examine and interpret the graphs of basic trigonometric functions and their transformation

- Apply concepts of trigonometry to solve problems involving trigonometric functions.

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

-midterms (four).....60% (15% each)

-final..... 30%

- homework and attendance.....10%

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

Course policy: A good attendance is required. Keep quiet in class and do not leave the class earlier without my permission. Return the HW every Tu CLEAN, STAPLED, ORGANIZED, SIGNED.

Course Organization:

Week	Date	Tuesday	Thursday	HW
1	02/05,07/13	1.1 , 1.2	1.3 , 1.4	1.1=25,26,73-84odd,111-118odd ; 1.3=1-10,45-50,79-89 1.2=7,8,9,45-48odd,51-56odd,67,69 ; 1.4=1-10,69-80odd
2	02/12,14/13	2.1 , 2.2	2.2, 2.3 , 2.4	2.1=11-19odd,74-85 odd ; 2.2=19-36odd,79-90odd 2.3=5-20odd,23-34
3	02/19,21/13	2.4 , 2.5	Review	2.4=21-31,44,57 2.5=5-10,15-20
4	02/26,28/13	TEST # 1 Ch. 1 , 2	3.1 , 3.2	3.1=29-32,45-48,67-77 3.2=11-18,21-24,43-46,71,72
5	03/05,07/13	3.3	3.4 , 4.1	3.3=7-22odd,51-54 ; 3.4=3-10,37-40 4.1=13-21,23-33
6	03/12,14/13	4.2 , 4.4	4.4 , 4.3	4.2=1-8, 33-38, 4.4=5-18 4.3=7-30 odd
7	03/19,21/13	4.5 , 5.1	Review	4.5=5-8, 11, 13 5.1=1-48 odd
8	03/26,28/13	TEST # 2 Ch. 3 , 4	5.2	5.2=1-78 eoo
9	04/02,04/13	SPRING	BREAK	
10	04/09,11/13	5.3, 5.4	5.4 , 5.5	5.3=7-70 eoo 5.5=7-68 eoo 5.4=9-70 eoo
11	04/16,18/13	5.6	6.1	5.6=11-54 eoo 6.1=1-36 eoo
12	04/23,25/13	6.2 , 6.3	6.3 , 6.4	6.2=11-42 eoo 6.4=5-16, 25-42 odd 6.3=7-24
13	04/30/13 05/02/13	TEST # 3 Ch. 5 , 6	7.1 , 7.2	7.1=3-20 odd, 39=42, 53, 54 7.2=1-10, 39, 40
14	05/07,09/13	7.3 , 7.4	7.5 , 8.1	7.3=19-36 odd, 65-68 7.4=5-16 odd, 25-28, 59-66 odd, 71,77,87 7.5=3,5,9,30 8.1=25-36 odd, 63-68, 81-83, 93-104, 106-110
15	05/14,16/13	TEST # 4 Ch. 7	8.2 , 8.3	8.2=39-50, 63,65,66 8.3=3-24 odd
16	05/21,23/13	8.4 , 8.5	8.6 Review	8.4=1-44 eoo, 49, 61, 63 8.5=3-32 eoo, 45-48, 55, 57, 58 8.6=5-24 eoo, 25, 28, 33, 34
17	05/28/13	FINAL 10:00-12:00		Bored? SMART? Try AMATYC problems. E-mail me.

eoo= each other odd, 1,5,9,....

odd=odd numbers, 1,3,5,...