ELEMENTARY STATISTICS

Math 227, LAMC, Spring 2013

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

<u>Class Meeting:</u> TTh, 10:40 – 12:45, CMS 127

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

<u>Text Book:</u> Elementary Statistics, by Allan Bluman, 6 – th edition, A Step by Step Approach

<u>Course Content</u>: Construction of statistical tables, display data with statistical graphs; data description; probability, statistical distributions, central limit theorem; testing hypothesis; confidence intervals; correlation and regression.

<u>Computer Component:</u> There will be couple of classes covered using Minitab software; Minitab software and data sets are available in all computers in the Math Center, LRC 205, LRC 234, LRC Computer Commons, and CSIT Lab (INST 2009). Every new book has a Minitab version included on CD.There will be also a computer – based project.

<u>Students Learning Outcomes:</u> to the end of the course students must be able to:

-use probability concepts to solve problems and interpret their results

-demonstrate proficiency in descriptive statistics and inferential analysis to draw conclusions about a population

<u>Grading Policy:</u> There will be four mid-term exams, <u>a cumulative final exam</u>, and a computer base project. The grading scheme is as follows:

-midterms	(four)	52 %(13% each)
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-final (comprehensive).....30%

-computer project......10%

-homework and attendance......8%

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

<u>Course Policy:</u> A good attendance is required. If it is possible let me know in advance a special situation that you have. Keep quiet in class and do not leave the class earlier without my permission. <u>Return the HW every Tu clean, organized, signed and stapled.</u>

Course Organization:

Week 1	Ch. 1	8,9,10,11,12,14,17, Ch. 1 Review
02/05,07/13	Ch. 1	
02/00/07/10	2.1	3 – 17 odd
Week 2	2.2	3 – 17
02/12,14/13	2.2 , 2.3	
	2.3	9 – 15 odd
Week 3	2.4	5 – 11 odd
02/19,21/13	3.1	1 – 19 odd
·	3.2	1 – 15 odd, 31-37 odd
Week 4	3.3	1 – 27 odd
02/26,28/13	3.4	1 – 15 odd
	Lab. Ch. 2,3	
Week 5	TEST # 1,	
03/05,07/13	Ch. 1,2,3	
	4.1	1 – 31 odd
	4.2	1 – 21 odd
Week 6	4.3	7 – 15 odd, 31 - 35
03/12,14/13	4.4	7 – 21 odd
	4.5	3- 13 odd
Week 7	5.1	1 – 27 odd
03/19,21/13	5.2	1 – 5 odd
	5.3	1 – 21 odd
Week 8	TEST # 2	
03/26,28/13	Ch. 4, 5	
	6.1	1 – 49 all
	6.2	15 – 23 odd
Week 9	SPRING	
04/02,04/13		
	BREAK	
Week 10	6.3	1 – 19 odd
04/09,11/13	6.4	1 – 11 odd
	7.1	
Week 11	Lab. , Ch. 5 , 6	
04/16,18/13		
	7.2	5 – 17 odd
	7.3	3 – 19 odd
Week 12	TEST #3	
	Ch. 6,7	
04/23,25/13	8.1	1, 7, 11, 12, 13
	8.2	1 – 21 odd

Week 13	8.3	1 – 19 odd
04/30 - 05/02/13	8.4	1 – 19 odd
	10.1	3, 5, 11, 13 – 19 odd
Week 14	10.2	13 – 19 all
05/07,09/13	9.1	6,7,8,9
	TEST # 4	
	Ch. 8,10	
Week 15	Lab. Ch. 7,8	
05/14,16/13		
	9.2	1 – 7 all
	9.3	4 – 7 all
Week 16	9.4	3 – 7 all
05/21,23/13	Review	
Thursday	FINAL	
05/30/13	10:00 – 12:00	