

ELEMENTARY STATISTICS

Math 227, LAMC, Fall 2012

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

Class Meeting: MW , 10:40 – 12:45 , CMS 029

Office Hours: MW ,9:15 – 10:15, CMS 121 ; 1:15 – 2:15 , Math Center

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

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

Computer Component: 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.

Students Learning Outcomes: 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

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

- midterms (four).....52 %(13% each)
- 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.

Course Policy: 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. Return the HW every Mo clean, organized, signed and stapled.

Course Organization:

Week 1 08/27,29/12	Ch. 1	8,9,10,11,12,14,17, Ch. 1 Review
	2.1	3 – 17 odd
	2.2	3 – 17 odd
Week 2 09/03,05/12		
	2.3	9 – 15 odd
Week 3 09/10,12/12	2.4	5 – 11 odd
	3.1	1 – 19 odd
	3.2	1 – 15 odd, 31-37 odd
Week 4 09/17,19/12	3.3	1 – 27 odd
	3.4	1 – 15 odd
	Lab. Ch. 2,3	
Week 5 09/24,26/12	TEST # 1, Ch. 1,2,3	
	4.1	1 – 31 odd
	4.2	1 – 21 odd
Week 6 10/01,03/12	4.3	7 – 15 odd, 31 - 35
	4.4	7 – 21 odd
	4.5	3- 13 odd
Week 7 10/08,10/12	5.1	1 – 27 odd
	5.2	1 – 5 odd
	5.3	1 – 21 odd
Week 8 10/15,17/12	TEST # 2 Ch. 4 , 5	
	6.1	1 – 49 all
	6.1 , 6.2	
Week 9 10/22,24/12	6.2	15 – 23 odd
	6.3	1 – 19 odd
	6.4	1 – 11 odd
Week 10 10/29,31/12	Lab(Ch. 5,6)	
	7.1	9 – 23 odd
	7.2	5 – 17 odd
Week 11 11/05,07/12	7.3	3 – 19 odd
	8.1	1 , 7 , 11 , 12 , 13
	TEST # 3 Ch. 6 , 7	
Week 12 11/12,14/12		
	8.2	1 – 21 odd

Week 13 11/19,21/12	8.3	1 -19 odd
	8.4	1 – 19 odd
	10.1	3, 5, 11, 13 – 19 odd
Week 14 11/26,28/12	10.2	13 – 19 all
	9.1, 9.2, 9.3, 9.4	
	TEST # 4 Ch. 8,10	
Week 15 12/03,05/12	Lab. Ch. 7,8	
	Review	
	Review	
Week 16 12/10,12/12	FINAL December 12 10:00 – 12:00	SMART? Try AMATYC problems!