

Math 125 -06
CRN 5053

Elementary Statistics
Fall 2007

Instructor: Dr. Khalili
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Web page <http://www.pcs.cnu.edu/~pkhalili/Home.html>

$$\bar{x} = \frac{\sum x}{n}$$
$$\bar{x} - E < \mu < \bar{x} + E$$

Office: Gosnold 121= 11²
Office Hours: MWF 3:00 - 4:00 pm, TTH 12:30-2:00 pm,
Classroom: Gosnold 203
Class Hours: MWF 14:00-14:50 am
Phone: 594-7037(office), 594-7194 (department secretary)

Textbook: *Elementary Statistics, Tenth Edition*, Triola.

Course Perspective In a fast moving society such as ours, basic knowledge and understanding of statistics concepts is essential for every college graduate. Each day we hear and see claims and counter claims are made about certain products, or events on radio or TV. The majority of these claims are based on some statistical terms. To judge the relative truth behind such claims one must be equipped with a minimum understanding of statistics. The objective of this course is to provide students with basic knowledge of elementary statistics. Here are some excerpts from the preface of the textbook that emphasizes the importance of statistics. “ Not very long ago, students who elected to take a statistics course enjoyed a competitive advantage in procuring jobs. Now the students *without* any statistics courses are suffering from a real competitive disadvantage in the job market.” Jay Dean, a senior Vice President at Young & Rubin Advertising, said in an interview, “If I could go back to school, I would certainly study more math, statistics, and computer science.”

Course prerequisites: Although most of the course subjects are self contained however a basic background in algebra or prealgebra is desired.

This course is intended to achieve the following objectives

1. Gaining factual knowledge (terminology, classifications, methods, trends)
2. Learning fundamental principles, generalizations, or theories
3. Learning to apply course material (to improve thinking, problem solving, and decisions)

Calculator: Students should have **Casio fx-300w** calculator.

Course Outline:

<u>Chapter</u>	<u>Section</u>
1	1,3,4
2	1,2,3,
3	1,2,3,4
4	1,2,3,4,5
5	1,2,3,4
6	1,2,3,5
7	1,2,3,4
8	1,2,3,4,5,6
10	1,2,3
13★	1,2

★This is an optional chapter.

Grading System: The course grade is based on four tests, and a final exam (cumulative). Each of these activities accounts for 20% of the course grade. The tests will be given at roughly three weeks apart. Test schedules will be announced in class about one week prior to each test. The final exam is scheduled for Monday December 10, from 5:00-7:30 pm.

Grading Scale: The course grade is assigned based on the following scale:

91 - 100 = A	76 - 78 = C ⁺	58 - 60 = D ⁻
89 - 90 = A ⁻	71 - 75 = C	00 - 57 = F
86 - 88 = B ⁺	68 - 70 = C ⁻	
82 - 85 = B	65 - 67 = D ⁺	
79 - 81 = B ⁻	61 - 64 = D	

Homework: Homework will be assigned daily and covered in class the next day.

Attendance: Attendance is necessary, and you are responsible for all class materials, assignments and deadlines.

Free tutor: Mathematics department offers free tutorial lab for this course. The lab is located in G-114.

Withdrawal Policy: The withdrawal policy is the same as an official university policy. *Therefore the last day to withdraw or elect Pass/Fail is October 31, 2007.*

University Regulations on Students with Disabilities:

If you believe that you have a disability, you should make an appointment to discuss your needs. In order to receive an accommodation, your disability must be on record in Disability Services located in the Academic Advising Center, Student Union, Room 3125 (Telephone - 594-8763; Fax - 594-8765).

Math 125 List of Homeworks

Fall 2007

Dr. Khalili

<u>Section</u>	<u>Pages</u>	<u>Problems</u>
o 2.2	48 - 50	5,7,13,15,17,20,23
o 2.3	54 - 55	5,6,7,8,13
o 3.2	86 - 89	5,7,9,11,13,17,25,27
o 3.3	104 - 109	5,7,9,11,14,17,19,25,27,33,35
o 3.4	116 - 117	1,5,7,9,13,14
o 4.2	146 -149	5,7,8,9,11,13,15,17,25,26
o 4.3	156 -157	5,7,8,9,11,13,15,17,19,21,22
o 4.4	165 -167	2,3,6,7,10,11,17,19
o 4.5	171 -173	5,7,11,13,15,17,19,21,23

○ 5.2	210 -212	7,9,11,13,17,19
○ 5.3	220 -223	5,7,9,13,17,21,23,25,27,29,31
○ 5.4	227 -229	5,7,9,15,11,13,15
○ 6.2	257 -259	5,7,9,11-31odd
○ 6.3	266 -267	1,5,7,13,15,17,19,23
○ 6.5	287 -289	1,2,4,5,7,13,15
○ 7.2	333 -336	5,7,11,13,15,17,19,21,23,25,27,31,33,35,41,43
○ 7.3	346 -347	5,7,9,11,13,15,17,19,25,33,35
○ 7.4	359 -361	1- 19 odd,20,23
○ 8.2	403 -405	1- 27 odd,37,39
○ 8.3	414 -417	1,5 - 15 odd,19,23
○ 8.4	422 -425	1,5,7,9,11,15,17
○ 8.5	431-434	1-7 odd,13,15,19,21,23,27
○ 8.6	441 -442	5,7,9,11,13
○ 10.2	533 -535	5,7,9,13,15,17,19,23
○ 10.3	553 -555	5,7,9,13,15,17,21,23
○ 13.2	686 -687	1,5,7 ***

