

GOVERNORS STATE UNIVERSITY
College of Business and Public Administration

Course Number & Title: STAT 361 Statistics for Management I
Session: Fall 1994
Sept. 6/Dec. 17, 1994, T/Th 9:30 a.m.
Instructor: Z. A. Malik
Phone No.: 708/534-4953
Office Hours: T/h: 1:00-3:30 p.m.
Credit Hours: 3

Catalog Description:

Covers the basic topics of applied statistics including the sample mean and variance, random variables, elementary finite probability, the binomial and normal distributions, sampling and point and interval estimation as they apply in business situations.

Prerequisites: Intermediate algebra.

Textbook: Anderson, et al., Statistics for Business and Economics, 5th ed., West Publishing Co., 1990.

Student Workbook: Required.

Expected Student Outcomes:

Upon completion of this course the student is able to:

1. Compute the mean, median, mode, interquartile range and deviation, variance, standard deviation and standard score for samples of data and population data.
2. Read, interpret, and create graphical presentations of data.
3. Solve elementary problems in probability theory.
4. Apply the Binomial, Poisson and Normal distribution models to practical problems.
5. Describe and evaluate sampling designs and techniques.
6. Compute and interpret confidence intervals and limits for a variety of sample distributions.

STAT 361
F 1994
GSU ARCHIVES

Description:

The topics for this first course in statistics include descriptive statistics, probability theory and distribution, sampling designs, and estimation of confidence intervals and limits. Students must have an adequate knowledge of college algebra at the time of enrolling in this course.

Basis for Course Grades:

Your grade in this course will be awarded in the old-fashioned way: you have to EARN it. If you are serious about the course, are regular in your attendance and turn in your homework assignments in a timely manner, you should expect to do well.

Scores from the closed book exams plus class participation will be added together, and the following relationship will hold between the total score and the letter grade:

A	- more than 89
B	- between 80 and 89
C	- between 70 and 79
D	- between 60 and 69
F	- below 60

Distribution of scores will be as follows:

1.	Four exams @ 20 each	80
2.	Class Participation, Homework Assignments, Attendance, etc.	<u>20</u>
	Total	100

Incompletes:

No "incompletes" will be given except if you are sick for a substantial portion of the trimester.

Note:

1. Unexcused absences and tardiness will affect your grade.
2. There will be no "make-up exams" except in cases of proven emergencies.
3. Incomplete, messy or late homework will not count towards your grade.

SCHEDULE

Week	Topic	Reading Assignment
1	Data, Measurement & Statistics	Ch. 1
2	Algebra Test Descriptive Statistics I: Tabular & Graphical Approaches	Ch. 2
3 & 4	Descriptive Statistics I: (cont'd) Descriptive Statistics II: Measurement of Location & Dispersion	Ch. 2
5	<u>Exam #1</u> Introduction to Probability	Ch. 4
6 & 7	Probability Distributions (Discrete)	Ch. 5
8 & 9	Probability Distributions (Continuous)	Ch. 6
10	<u>Exam #2</u> Sampling & Sampling Distributions	Ch. 7
11	Sampling & Sampling Distributions	Ch. 7
12	Interval Estimation <u>Exam #3</u>	Ch. 8
13 & 14	Interval Estimation	Ch. 8
15	<u>EXAM #4</u>	