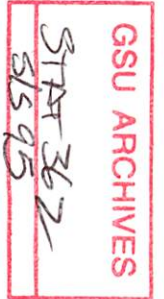


GOVERNORS STATE UNIVERSITY
College of Business and Public Administration

Course Number & Title: STAT 362 STATISTICS FOR MANAGEMENT II
Session: Spring/Summer, Block 2
May 15/July 3, 1995 M/W 7:30 p.m.
Instructor: Dr. Z. A. Malik
Phone No.: 708/534-4953
Office Hours: M/W 1:00-3:30 p.m.
Credit Hours: 3



Catalog Description:

A continuation of STAT 361. Topics covered include analysis of variance, regression, correlation, nonparametric statistics, bivariate distributions, and chi-square tests. Students can make use of a statistical computer package in the analysis of data and application of statistical tests as they apply in business situations.

Prerequisites: STAT 361

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

Study Guide: Required.

Expected Student Outcomes:

After completion of the course, the student is able to:

1. Set up Confidence Intervals and test hypotheses, using one or two sample designs.
2. Compute the Analysis of Variance for problems involving three or more sample spaces.
3. Compute a Chi-Square Analysis and Goodness of Fit test for an appropriate data set.
4. Describe and calculate Correlation and Regression Analysis of a data set.

Description:

The topics for the second course in Statistics for Management include Confidence Interval, Hypothesis Testing, Analysis of Variance, Regression, Correlation, Nonparametric Statistics and Chi-Square Tests.

Basis for Course Grade:

Class Participation (including attendance, homework, etc.)	20%
Exams (4 @ 20% each)	80%

The following percentages/letter grade relationship will hold for the total score:

Over 89%	A
80-89%	B
70-79%	C
60-69%	D
Below 60%	F

Note:

1. No "incompletes" will be given unless the student has remained ill for a substantial period during the trimester.
2. No "make-up exams" except in proven medical emergencies.
3. Unexcused absences and tardiness will adversely affect your grade. Habitual violation will earn you a failing grade.
4. Incomplete, messy or late homework will not count towards your grade.

SCHEDULE

Week	Topic	Reading Assignment
1	STAT I Test Interval Estimation	Ch. 1-7 Ch. 8
2	Hypothesis Testing Inference About Two Populations (Means)	Ch. 9 Ch. 10
3	Analysis of Variance Exam #1	Ch. 13
4	Analysis of Variance	Ch. 13
5	Simple Regression Analysis Exam #2	Ch. 14
6	Simple Regression Analysis Correlation Analysis Exam #3	Ch. 14 Ch. 14
7	Multiple Regression Analysis Goodness of Fit & Independence	Ch. 15 Ch. 12
8	Exam #4	

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