

GOVERNORS STATE UNIVERSITY  
College of Business and Public Administration

Course Title: STAT 362 Statistics for Management II  
Instructor: Dr. Marsha Katz  
Session: Sept/Dec 1992, Fall Trimester, Block I  
Credit Hours: 3  
Prerequisite: STAT 361 Statistics for Management I  
Office Hours: T/TH: 11:00a-12:00n; W: 5:00-7:00  
Phone No: 708/534-4952  
Text: Anderson, Sweeney and Williams, Statistics for Business and Economics, West Publ. Co., 1990.

STAT 362  
GSU ARCHIVES

Description: Topic for the second courses in Statistics include a review of the topics in Statistics I, hypothesis testing using one and two sample designs, analysis of variance, Chi-Square and other common non-parametric tests, regression, and correlation. Students are expected to have successfully completed Statistics I prior to enrolling in this course.

Rationale: Statistics are a necessary tool of business people. This course is designed to acquaint students with those tools that allow successful decision making.

Modalities: Lecture/Discussion

Expected Student Outcomes:

1. Test hypothesis using one and two sample designs.
2. Compare three or more sample means with analysis of variance.
3. Use a Chi-Square analysis to compare several sample proportions and perform a goodness-of-fit test.
4. Apply the appropriate non-parametric test to make decisions about non-normally distributed data.
5. Describe and calculate correlation and regression analysis of bivariate data sets.
6. Measure change over time with index numbers.
7. Become familiar with and utilize minitab.

Grading and Evaluation:

This class is a competency-based course. Once a week, quizzes will be given for several chapters. When you feel you are ready to demonstrate your knowledge of a chapter, you can take the quiz for that chapter. Passing the chapter requires 80%. Once you receive 80% on a chapter, then you can proceed to the next chapter. Each student can repeat each chapter quiz three times. However, you must wait until the following week to take the quiz again.

Note: There are not enough weeks to take each quiz three times. It is your responsibility to allow enough time to finish the course.

Your grade will be based on the average of your last quiz for each chapter. There is NO final exam.

All quizzes must be completed by December 9.

Homework is for your own benefit and will not be graded.

All students are required to be in class for teacher evaluations (date to be announced). Missing the teacher evaluation will result in the loss of one grade.

90-100	A
80- 89	B
70- 79	C
60- 69	D
below 59	F

## TENTATIVE SCHEDULE

Week	Topic	Chapters
Sep 2	Introduction Interval Estimation	8.1-8.4
Sep 9	Hypothesis Testing	9.1-9.3
Sep 15	Hypothesis Testing	9.4-9.10
Sep 23	Statistical Inference About Means and Proportions with Two Populations	10.1-10.2
Sep 30	Statistical Inference About Means and Proportions with Two Populations	10.3-10.4
Oct 7	NO CLASS - WORK ON MINITAB	
Oct 14	Inference About Population Variances	11
Oct 21	Experimental Design and Analysis of Variance	12
Oct 28	Test of Goodness, of Fit and Independence	17
Nov 4	Simple Linear Regression and Correlation	13
Nov 11	Multiple Regression	14
Nov 18	Regression Analysis Model Building	15
Nov 25	Nonparametric Methods	18
Dec 2	Decision Analysis	19
Dec 9	Any test the need to be completed	

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