

GOVERNORS STATE UNIVERSITY
COLLEGE OF BUSINESS AND PUBLIC ADMINISTRATION

COURSE SYLLABUS

COURSE TITLE : STATISTICS 361 - STATISTICS FOR MANAGEMENT I

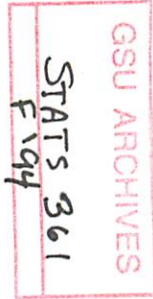
CREDIT HOURS: 3

TRIMESTER: FALL 1994

INSTRUCTOR: DR. NATHAN R. KEITH, ED. D.

TEXTBOOK: STATISTICS FOR BUSINESS AND ECONOMICS (5th Edition), Anderson, Sweeney and Williams, West Publishers.

Calculator equivalent to TI36 will be needed.



COURSE DESCRIPTION:

This course is designed to introduce basic statistical concepts which can be used to aid in business decision making. It is the first of a sequence of two courses and will cover material through hypothesis testing. Topics include descriptive statistics, probability and probability distributions, sampling distributions, confidence intervals and hypothesis testing.

It will be assumed that all students have a background in mathematics through College Algebra and that you either know or can learn quickly summation notation which is used in writing statistical notation.

After completing this course you should be able to:

- summarize the important characteristics of a data set
- present data in an easily interpretable form.
- compute and interpret various probabilities
- apply various probability distributions to real problems
- construct and interpret confidence intervals
- perform and interpret hypothesis tests

EVALUATION-GRADING: Two Quizzes - 60%

Homework - 10%

Final Exam - 30%

WEEK	TOPIC	CHAPTER
1	INTRODUCTION	1
	DESCRIPTIVE STATISTICS	2
2	DESCRIPTIVE STATISTICS	3
3	PROBABILITY	4
4	DISCRETE PROBABILITY DIST.	5
5	TEST 1	
6	CONTINUOUS PROBABILITY DIST.	6
7	CONTINUOUS PROBABILITY DIST.	6
8	SAMPLING DISTRIBUTIONS	7
9	SAMPLING DISTRIBUTIONS	7
10	TEST 2	
11	CONFIDENCE INTERVALS	8
12	CONFIDENCE INTERVALS	8
13	HYPOTHESIS TESTING	9
14	HYPOTHESIS TESTING	9
15	FINAL EXAM	