

Governors State university
College of Business and Public Administration

Course Title: STAT 362 STATISTICS FOR MANAGEMENT II
3 Credit Hours

Session: Fall 1998
M 6:30 p.m.- 9:20 p.m.

Instructor: Olawale Ade-Oshifogun (Wale Ade), MBA
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A continuation of STAT 361. Topics covered included analysis of variance, regression, correlation, interval estimation, hypotheses testing, 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.

Prerequisites: STAT 361

Textbook: Anderson, et al., Statistics for Business and Economics, 6th Edition.
West Publishing Co., 1996.



Expected Student Outcomes:

Upon completion of the course, the student will be able to:

1. 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 test.
4. Describe and calculate Correlation and Regression Analysis of a data set.
5. Understand how well management is able to predict future aspects of the operation.
6. Learn how probability information and economic measures can be combined to arrive at decision recommendations.

Syllabus Statement for Persons with Disabilities:

It is the intention of the institution to support full participation of all students, regardless of physical ability level. Therefore, if any student needs consideration of his/her physical abilities in order to complete the course, please notify the instructor as soon as possible

General Education Issues:

Writing and critical thinking skills are incorporated into this class through extensive case analysis discussions and writing assignments.

SCHEDULE

Session	Date	Topic	Chapters	Homework Due
1	8/31	Introduction & Interval Estimation	8	
2	9/14	Interval Estimation & Hypothesis Testing	8, 9	
3	9/21	Hypothesis Testing	9	
4	9/28	Statistical Inference/Inferences About Population	10, 11	
5	10/5	Test of Goodness & Independence/ANOVA	12	
6	10/12	ANOVA/Revision	13	
7	10/19	Mid-Term	Chapters: 8, 9, 10, 11, 12, 13	
8	10/26	Simple Linear Regression	14	
9	11/2	Multiple Regression	15	
10	11/9	Index Numbers	17	
11	11/16	Forecasting	18	
12	11/23	Nonparametric Method	19	
13	11/30	Decision Analysis	22	
14	12/7	Revision		
15	12/14	Exam	Chapters: 14, 15, 17, 18, 19, 22	

Evaluation:

Attendance	10%	Grade A	90>
Quiz	10%	Grade B	80 - 89
Homework	20%	Grade C	70 - 79
Mid-Term	30%	Grade D	60 - 69
Final	30%	Grade F	Below 60

Note:

This syllabus is subject to change as the course progresses.
 Homework when assigned is due at the beginning of class period.
 Quiz will be assigned randomly. It is essential that you come prepared to class sessions.
 No 'make up exams' except in proven medical emergencies.