

STATISTICS FOR MANAGEMENT II

BROADCAST TITLE: Statistics for Management II

COURSE NUMBER: STAT 361 S

REFERENCE NUMBER: 203325

CREDIT HOURS: Three (3) Undergraduate Credit Hours

DESCRIPTION: This course attempts to provide students with a basic understanding of statistics and its many applications to decision situations in business. The course is designed as a continuation of the topics covered in STAT 361. The major thrust of this course is inferential statistics. Topics covered include Hypothetical Testing, Analysis of Variance, Regression and Correlation and Design of Experiments.

TUITION AND FEES: Undergraduate: \$283.50
Graduate \$297.00

ORIENTATION: GSU Friday, January 17, 1997, 5:30 p.m. **OR**
Saturday, January 25, 1997, 10 a.m.

INSTRUCTOR: Dr. Akkanad M. Isaac (708) 534-4951

DISCUSSION: Friday, February 28, 1997, 6:30 p.m.
Friday, April 11, 1997, 6:30 p.m.

EXAMS: Friday, March 7, 1997, 6:30 p.m.
Friday, April 18, 1997, 6:30 p.m.

STAT 361 S
GSU ARCHIVES



TEXTS:

Anderson, David., R., et al, Statistics for Business and Economics 6th ed., West Publishing Co., 1996.
(Required Textbook)

Anderson, David., R., et al, Workbook to accompany Statistics for Business and Economics (prepared by Mohammad Ahamadi), West Publishing Co., 1996.
(Optional Textbook)

Study Guide and Information Package for Statistics for Management II

VIDEOTAPES:

20 one hour videotapes

VIEWING:

GSU Library
Jones Intercable, Channel 29

GOVERNORS STATE UNIVERSITY
College of Business and Public Administration

Course Title: STAT 362S STATISTICS FOR MANAGEMENT II (TELECLASS)
(Reference # 203325)
Instructor: Dr. Akkanad M. Isaac
Secretary: Dorothy Kennedy (Phone: 708 534-4938)
Session: Jan. - Apr. 1997. Winter Trimester, Block 1
Phone: (708) 534-4951 FAX: (708) 534-8457 Office: C3353
e-mail: a-isaac@govst.edu
Units: Three
Prerequisite: STAT 361 Statistics for Management I

Description:

This course attempts to provide students with a basic understanding of statistics and its many applications to decision situations in business. The course is designed as a continuation of the topics covered in STAT 361. The major thrust of the course is inferential statistics. Topics covered include Hypothesis Testing, Analysis of Variance, Regression and Correlation and Design of Experiments.

Performance Objectives:

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

1. Test hypotheses to validate claims about population parameters.
2. Use the analysis of variance procedure to determine if the means of more than two populations are equal
3. Conduct regression and correlation analysis and establish how good a fit is provided by the estimated regression equation.
4. Analyze business cases/problems involving Regression Analysis and ANOVA.

Teaching Material:

Text:

Anderson, David R., et al, Statistics for Business and Economics, 6th ed., West Publishing Co.,1996. (Required Textbook)

Anderson, David R., et al, Workbook to accompany Statistics for Business and Economics (prepared by Mohammad Ahmadi), West Publishing Co., 1996 (Optional Book)

Study Guide and Information Package

Notes:

STAT 361 is a prerequisite for the Course. Chapters 1-7 of your textbook are usually taught in that course. You are encouraged to review those chapters because STAT 362 will expect you to have a thorough background of those chapters.

Answers to Even-Numbered Exercises are in Appendix E and Solutions to Self-Test Exercises are in Appendix F.

Grade of “incomplete” will not be given except under extenuating circumstances (e.g., prolonged illness during the trimester).

No make-up exams will be given except when the student is ill on the date of the exam.

Evaluation:

There will be a mid-term and a final examination scheduled at Governors State University. Each exam will consist of 2 parts: Part 1 (Multiple Choice) with 50 points and Part 2 (Problems and Exercises) with 50 points. Questions in Part 2 will be similar to the “Exercises” at the end of each chapter.

Mid Term Examination	40%
Final Examination	40%
Homework	20%

Basis for Grade:

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

Schedule:

Orientation Dates:

Friday, January 17, 1997 (5:30 p.m.)
Saturday, January 25, 1997 (10:00 a.m.)

Discussion Dates:(Homework Assignments are due on these discussion dates)

Friday, February 28, 1997 (6:30 p.m.)
Friday, April 11, 1997 (6:30 p.m.)

Examinations:

Friday, March 7, 1997 (6:30 p.m.)
Friday, April 18, 1997 (6:30 p.m.)

COURSE DESCRIPTION

1. Interval Estimation	Chapter 8
2. Hypothesis Testing	Chapter 9
3. Statistical Inference About Means and Proportions	Chapter 10
4. Analysis of Variance and Experimental Design	Chapter 13
5. Simple Linear Regression	Chapter 14
6. Multiple Regression	Chapter 15

HOMEWORK ASSIGNMENTS

Homework Assignments for each chapter are given below:

Chapter 8 Exercises # 3, 14, 15, 22, 31, 39 and 45

Chapter 9 Exercises # 7, 15, 27, 35, 42, 53 and 73

Chapter 10 Exercises # 25, 27, 33, 41 and 42

Chapter 13 Exercises # 3, 12, 21 and 43

Chapter 14 Exercises # 5, 7 and 19

Chapter 15 Exercises # 1, 11 and 21

Note: Due Date for Homework Assignments of Chapters 8-10 (3 chapters) is February 28, 1996. Chapters 13-15 (3 chapters) assignments should be submitted on April 11, 1996. Notice that the homework assignments are due on the Discussion Dates. Late submission of assignments will affect grades.