Course Number & Title: STAT 362 STATISTICS FOR MANAGEMENT II

Session: Winter 2001
M/W 9:30-10:45 a.m.

Instructor: Secy: Dorothy Kennedy 534-4938

Office Hours: M/W: 11:00 a.m.-1:30 p.m.

Credit Hours: 3

Catalog Description:

A continuation of STAT 361. Topics covered include analysis of variance, regression analysis, 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.

Perquisites: STAT 361


Study Guide, optional

Expected Student Outcomes:

After completion of the course, the student is 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 set.
4. Describe and calculate Correlation and Regression Analysis of a data set.
5. Apply Nonparametric Tests to appropriate data sets.
Description:

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

Basis for Course Grade:

Class Participation 20%  
(including attendance, homework, etc.)

Exams (2 @ 40% 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, and in good standing.

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.

Syllabus Statement for Persons with Disabilities:

It is the intention of this 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.
### SCHEDULE

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A. Exam dates will be announced as the course progresses.

B. Schedule is subject to change if necessary.

dak
1/01
Chapter 8:  
- p. 300, #3  
- p. 301, #8  
- p. 306, #13  
- p. 307, #19  
- p. 311, #27  
- p. 320, #45

Chapter 9:  
- p. 334, #7  
- p. 343, #9  
- p. 344, #16  
- p. 351, #27, omit part (d)  
- p. 377, #73

Chapter 10:  
- p. 392, #1 and #2  
- p. 401, #13  
- p. 406, #21

Chapter 13:  
- p. 496, #3  
- p. 509, # 21 and #22

Chapter 14:  
- p. 553, #5  
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- p. 564, #18

Chapter 15:  
- p. 629, # 1 and #2  
- p. 634, #11  
- p. 642, #20

Dr. Z. A. MALIK  
9/2/00  

ST362-HW. F00