GOVERNORS STATE UNIVERSITY
College of Business and Public Administration

Course Title: STAT 361 Statistics for Management 1
Instructor: Professor Edna Fry
Session: Sept/Dec 1990, Fall Trimester, Block I
Phone: (312) 534-5000, ext. 2257

Description:
This course is designed to help students use statistical techniques as they are used in business today, both in manufacturing and non-manufacturing settings. Topics include descriptive statistics, probability and probability distributions, sampling, confidence intervals and simple hypothesis testing for means and proportions, and the use of the techniques in the statistical package MINITAB appropriate to these topics.

Competency Statement:
Upon completion of this course, the student is able to:

1. Designate the difference between discrete and continuous data.
2. Compute the mean, median, mode, percentiles, variance and standard deviation for samples of data.
3. Read, interpret, and create graphical representations of data, including run charts, pie charts, frequency polygons, normal probability plots, and histograms.
4. Compute simple and conditional probabilities, expected values, applying them to decision trees.
5. Apply the binomial, Poisson, and normal distributions to practical problems.
6. Describe and evaluate sampling designs and techniques.
7. Compute confidence intervals for means and proportions.
8. Test hypotheses using single sample designs.
9. Interpret a correlation coefficient and simple regression.
Evaluation:

Test I    Week 7    Chapter 1-4  100 points
Test II   Week 15   Chapters 4-8 100 points
Quiz (10)---NO MAKE-UPS--- 100 points
Homework                          30 points
Minitab                              20 points

350 points

90%    - A
80%    - B
70%    - C
60%    - D
Below - F
60%
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<td>Sept 4</td>
<td>Data, Measurement &amp; Statistics</td>
<td>1.1-1.7</td>
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<td>Class 2</td>
<td>Sept 11</td>
<td>Descriptive Statistic I Tabular &amp; Graphical Approaches Quiz 1</td>
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<td>Class 3</td>
<td>Sept 18</td>
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<td>Class 6</td>
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<td>Sampling &amp; Sampling Distributions Quiz 8</td>
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<td>Class 12</td>
<td>Nov 20</td>
<td>Interval Estimation Quiz 9</td>
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Class 13  
Nov 27  Interval Estimation
          Quiz 10

Class 14  
Dec 4    Review

Class 15  
Dec 11   FINAL EXAM

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