

GOVERNORS STATE UNIVERSITY  
College of Business and Public Administration

Course Title: STAT 361 Statistics for Management 1  
Instructor: Professor Edna Fry  
Session: Jun/Aug 1990 Summer Trimester Block 3  
Phone: (312) 534-5000, ext.2257

Textbook: Kohler, Heinz, Statistics for Business and Economics, Scott, Foresman and Co.

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.

GSU ARCHIVES

STAT 361  
590

Office Hours:           T/TH: 3:30-4:30p  
                          W:     3:00-5:00p

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
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			350 points

90% - A  
80% - B  
70% - C  
60% - D  
Below - F  
60%

	<u>Topic</u>	<u>Chapter</u>
<u>Class 1</u> June 1	Data, Measurement & Statistics	1.1-1.7
<u>Class 2</u> June 26	Descriptive Statistic I Tabular & Graphical Approaches Quiz 1	2.1-2.3
<u>Class 3</u> June 28	Descriptive Statistics II Measures of Location & Dispersion Quiz 2	3.1-3.3
<u>Class 4</u> July 3	Descriptive Statistic II Measures of Location & Dispersion Introduction to Probability Quiz 3	3.4-3.5 4.1-4.3
<u>Class 5</u> July 5	Introduction to Probability Quiz 4	4.4-4.5
<u>Class 6</u> July 10	Introduction to Probability Quiz 5	4.6 Bayes' Theorem
<u>Class 7</u> July 12	TEST I	1-4
<u>Class 8</u> July 17	Discrete Probability Distributions	5.1-5.4
<u>Class 9</u> July 19	Continuous Probability Distributions Quiz 6	6.1-6.3
<u>Class 10</u> July 24	Sampling & Sampling Distributions	7.1-7.5
<u>Class 11</u> July 26	Sampling & Sampling Distributions Quiz 8	7.6-7.8
<u>Class 12</u> July 31	Interval Estimation Quiz 9	8.1

Class 13

Aug. 2

Interval Estimation  
Quiz 10

8.2-8.4

Class 14

Aug. 7

Review

5-8

Class 15

Aug. 9

FINAL EXAM

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