

Course Outline: 22:960:572 Statistics for Managers

Instructor

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Reference text

Elementary Business Statistics: The Modern Approach, Sixth Edition. *Freund, Williams, Perles; Prentice-Hall, 1993.*

Grading Policy

Tests 1 and 2, 40% each; Class Participation, Projects and Homework 20%.

Schedule

Session	Topic
1	1.-Basic Counting 2.-Basic Concepts of Probability 3.-Random Events and Logic
2	4.-Basic Rules of Probability 5.-Conditional Probability 6.-Probability Mass Function
3	7.-Expected Value 8.-Binomial Distribution
4	9.-Poisson Distribution Take Home Test 1 10.-Normal Distribution 11.-Break-Even Analysis
5	12.-Bayes Theorem 13.-Sample Histogram 14.-Sample Quantiles and Boxplot
6	15.-Sample Mean and Variance 16.-Sampling Distributions
7	17.- Hypothesis Testing 18.-Confidence Intervals Take Home Test 2