



STATISTICS 525
"MULTIVARIATE ANALYSIS"

Calendar Description: H(3-1)

Normal distribution. Statistical inference: confidence regions, hypothesis tests, analysis of variance, simultaneous confidence intervals. Principal components. Factor Analysis. Discrimination and classification. Canonical correlation analysis.

Prerequisite: Statistics 421 or consent of the Division.

Suggested Text: Applied Multivariate Statistical Analysis, 5th edition, by Johnson and Wichern

Syllabus

Table with 2 columns: Topics and Number of Hours. Topics include: Review of univariate, bivariate distributions; Random vectors and matrices; Multivariate Normal distribution; Inferences about population mean vectors; Paired comparisons, independent samples; A selection of the following topics according to class/instructor interest.
