Marshall University
College of Science
Mathematics Department

MTH 413/513: Experimental Designs

Course catalog description
Principles of experimentation; analysis of variance and covariance; Latin square and related designs; factorial designs, response surface; robustness; nested and split-plot designs.

Credit hours
3 hours

Prerequisites
For MTH 413: A grade of C or higher in a previous course in statistics

List of topics
- Completely Randomized Design
- Randomized Block Design
- Latin Square Design
- Multiple Comparisons of Treatment Means
- Factorial Designs
- Nested Designs
- Analysis of Covariance
- Intro to Response Surface Methodology

Suggested textbooks

Last updated
December 2016