

Marshall University
College of Science

MTH 425: Sampling Design and Estimation

Course catalog description

Coverage of the theory and applications of a variety of sampling designs, sample size determination; ratio and regression estimated comparisons among the designs.

Credit hours

3 hours

Prerequisites

A grade of C or higher in MTH326

Learning outcomes

- Students will identify the elements of the sampling problem.
- Students will summarize different types of sampling designs.
- Students will be introduced to applications of real-life phenomena.
- Students will design a survey to study a real-life phenomenon.

Suggested textbooks

- Sampling Techniques, Cochran, 1977
- Sampling Methods, Ardilly and Tille, 2006
- Analysis of Survey Data, Chambers and Skinner, 2003
- Survey Methodology, Groves, Fowler, Couper and Lpkowski, 2009.

Last updated

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