IE 5352 – Design and Analysis of Industrial Experiments

Course Catalog: IE 5352 – Design and analysis of Industrial Experiments (3-0)

Investigation of statistical sampling methods, hypothesis testing procedures, and design of experiments. Both parametric and nonparametric procedures are included. Prerequisite: IE 4385 or Department Approval


References: Upon Request

Topics Covered:
1. Basic Statistical Concepts
2. Analysis of Variance
3. Analysis of Factor Level Effects
4. Randomized Blocks, Latin Squares & Related Designs
5. Factorial Designs
6. Multifactor Studies

Assessment of Course Outcomes:
1. Three Examinations
2. Assignments
3. Final Project
4. Class Participation
5. Final Examination

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