

Industrial Statistics – Design of Experiments

Modules

Module 1:

Introduction to Design of Experiments

Module 2:

Factorial and Computer-generated Designs

Module 3:

Robust Design

Contents

- Motivation for DoE
- Response variables and factors
- Interactions
- Restrictions of the design space
- Effect estimation
- Modeling
- Treatment of noise factors

Practical requirements

You work in product development, production or after sales and want to...

- gain maximum of information with minimum number of experiments
- Measure and identify the relationship between influence and outcomes
- make your product or process robust to uncontrollable influences
- requirement: course package IS 1 or equivalent qualification

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