Bemidji State University

TADT 4899: Design of Experiments

A. COURSE DESCRIPTION

  Credits: 3
  Lecture Hours/Week: *.*
  Lab Hours/Week: *.*
  OJT Hours/Week: *.*
  Prerequisites: None
  Corequisites: None
  MnTC Goals: None

Planning, execution, and analysis of factorial-based industrial experiments. Topics include, but are not limited to, analysis of variance, fitting of regression models, two-level factorial designs, blocking strategies and confounding of variables, fractional factorial designs, response surface methods, nested and split-plot designs, three-level and mixed-level designs, and experiments with random factors. Prerequisites: Junior status or consent of instructor.

B. COURSE EFFECTIVE DATES: 08/25/2014 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

  None

D. LEARNING OUTCOMES (General)

  None

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

  None

F. LEARNER OUTCOMES ASSESSMENT

  As noted on course syllabus

G. SPECIAL INFORMATION

  None noted