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