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