Bemidji State University

TADT 4465: Mechanical Analysis of Parametric 3D Models

A. COURSE DESCRIPTION
  Credits: 3
  Lecture Hours/Week: *.*
  Lab Hours/Week: *.*
  OJT Hours/Week: *.*
  Prerequisites: None
  Corequisites: None
  MnTC Goals: None
  The use of a parametric 3D CAD package, in conjunction with either add-on or third-party software applications, to create virtual part and assembly models, and to analyze their physical performance using computer simulation techniques. Topics include shape optimization, and stress-, fatigue-, and kinematic-analysis, plus additional analysis techniques as planned by the instructor. 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