Bemidji State University

TADT 1350: Electrical/Electronic Technology

A. COURSE DESCRIPTION
   Credits: 3
   Lecture Hours/Week: *.*
   Lab Hours/Week: *.*
   OJT Hours/Week: *.*
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None
   Fundamental principles of electricity and electronics. Various topics are explored including basic circuits, transformers and motors.

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

C. OUTLINE OF MAJOR CONTENT AREAS
   1.  AC/DC
   2.  Digital Electronics
   3.  Electrical codes
   4.  Electrical safety
   5.  Fiberoptics
   6.  How electricity works
   7.  Intro. to components and reading schematics
   8.  Kirchoff's Law
   9.  Lab Safety - BSU general lab policy
  10.  Occupations in electricity/electronics
  11.  Ohm's Law
  12.  Portfolio of course materials
  13.  Print reading, basic wiring, and materials of the trade
  14.  Producing and distributing electricity
  15.  Research report on specified topic
  16.  Soldering
  17.  Terminology
  18.  Use of the multimeter

D. LEARNING OUTCOMES (General)
   1.  be presented topics through lecture, discussion, and demonstration that are relevant to Technological Studies Department emphasis and career areas relating to electricity and electronics
   2.  use the computer lab and library as well as other reference sources

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None
F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted