

MFG 116 : MANUFACTURING ELECTRICAL SYSTEMS

Transcript title

Manufacturing Electrical Sys

Credits

2

Grading mode

Standard letter grades

Total contact hours

60

Lab hours

60

Prerequisites

instructor approval.

Recommended preparation

MFG 100.

Course Description

Studies electrical circuitry and components used in manufacturing applications. Includes introductory AC/DC electrical circuit construction and Ohm's Law.

Course learning outcomes

1. Student will construct and operate multi-component circuits.
2. Student will compute inductance and capacitance using Ohm's Law.
3. Student will perform circuit analysis.
4. Student will learn how to test for voltage and other electrical measurements using a multimeter.
5. Student will create circuitry requiring a transformer.
6. Student will determine presence of AC voltage with test leads.