
SECTION HEADING

ELCO 1100: Electrical Circuits Fundamentals

Description

Electrical Circuits Fundamentals describes the basic concepts of electricity from DC to AC. Calculate Ohm's law formulas. Describe series circuits, parallel circuits, capacitance circuits, and inductive circuits. Calculate series circuits, parallel circuits, capacitance circuits, and inductive circuits.

Credits

3

Prerequisite

MATH 0092 or placement by multiple measures

Topics to be Covered

1. Ohm's Law
2. Series Circuits
3. Parallel Circuits

Learning Outcomes

1. Define Volts
2. Define Amps
3. Define Ohms
4. Apply Ohm's Law
5. Describe Series Circuits
6. Describe Parallel Circuits
7. Solve Series Circuits
8. Solve Parallel Circuits
9. Describe Inductance
10. Describe Capacitance
11. Describe Series Parallel Circuits

Credit Details

Lecture: 3

Lab: 0

OJT: 0