
SECTION HEADING

ELEC 1200: Residential Wiring I

Description

Residential Wiring I describes electrical safety, general safety, the use and care of hand tools, the specialty tools, and equipment used for residential wiring. Apply National Electrical Codes related to residential wiring. Discuss wiring methods for residential wiring.

Credits

5

Topics to be Covered

1. National Electrical Code for residential wiring
2. Box fill calculations
3. Service calculations

Learning Outcomes

1. Identify wiring symbols
2. Calculate box fill
3. Install GFCI protected outlets
4. Install exhaust fans
5. Calculate floor area
6. Apply National Electrical Code
7. Install NM cables
8. Describe grounding requirements
9. Describe switch operations
10. Install various light switches
11. Install recessed light fixtures
12. Make pigtail splices

Credit Details

Lecture: 2

Lab: 3

OJT: 0