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## SECTION HEADING

### ELEC 1210: Residential and Farm Wiring II

#### Description

Residential & Farm Wiring introduces blueprint reading for residential wiring. Describe electrical safety and general safety. Discusses National Electrical Code articles on branch circuits, feeders, grounding, services, and overcurrent protection for residential and farm wiring.

#### Credits

5

#### Prerequisite

ELEC 1200

#### Topics to be Covered

1. Wiring methods for residential and farm wiring
2. Grounding and bonding

#### Learning Outcomes

1. Apply National Electrical Codes
2. Describe branch circuit requirements
3. Install PVC conduit
4. Install lighting fixtures
5. Calculate farm yard services
6. Calculate box sizes
7. Describe bonding requirements
8. Describe grounding requirements
9. Describe sub panel requirements
10. Install UF cable

#### Credit Details

Lecture: 2

Lab: 3

OJT: 0