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## SECTION HEADING

### ELPL 1106: Electrical Distribution of Powerlines I

#### Description

Electrical Distribution of Powerlines I covers the care and maintenance of personal tools, nomenclature and use of company tools, nomenclature and installation of pole line hardware, setting and aligning poles, stringing single phase and three phase wires, installation of armor rods, hand ties, and preform ties. The course also covers the change-out of single phase and three phase transformers, overhead secondaries and offers instruction in elementary knots and the use of different types of slings.

#### Credits

4

#### Topics to be Covered

1. Pole Setting
2. Specification Sheets
3. Single-phase Poles, Lines, and Structures
4. Primary, Neutral and String Conductors
5. Secondaries
6. Three-phase Poles Lines and Structures

#### Learning Outcomes

1. Describe the components of a specification sheet
2. Describe single-phase structures
3. Frame single-phase poles
4. Describe B construction
5. Describe string conductor
6. Frame B (V-phase) construction
7. Build single phase line
8. Frame three-phase poles
9. Perform aerial basket rescue

#### Credit Details

Lecture: 1

Lab: 3

OJT: 0