
SECTION HEADING

ELUT 1105: Blueprint, Schematics, and Transit

Description

Blueprint, Schematics and Transit covers the use and interpretation of blueprints, schematic diagrams, and the symbols and abbreviations used in them. This course also covers the fundamentals for set-up, operation and use of a transit mounted on a tripod or other base.

Credits

3

Topics to be Covered

1. Blueprint and map readings, electrical drawings and symbol identifications.
2. Set up and use a transit.

Learning Outcomes

1. Measure elevations around the school with use of transit, tripod and measuring stick.
2. Draw the following diagrams: one-line, elementary, highway and wireless.
3. Prepare staking sheets: both single-phase and three-phase.
4. Prepare electrical drawings from instructor instructions.
5. Draw electrical power system substation plans which may include plot plan, bus plan and elevation, grounding layout and details, conduit installations details, electrical equipment layout, electrical floor plan and lighting plan.

Credit Details

Lecture: 2

Lab: 1

OJT: 0