

# ELECTRICAL COURSES

## REWINDING OF THREE PHASE and AUTO TRANSFORMER (E91A)

**OBJECTIVE:**

The objective of this course is to identify the rewinding method, calculation, cross section area of conductors and insulation between layers.

**WHO SHOULD ATTEND?**

All electrical staff involved in maintenance, troubleshooting operation of transformers.

**COURSE CONTENT:**

- Required Data (Input Data)
- No. of Steps for Regulating Winding
- Frequency
- Data of Iron Core
- Flux Density and its Effect and its Effect on Transformer Losses.
- Connection
- Testing Before Repairing
- Testing After Repairing

**PRACTICAL TASKS:**

- Visit to Iscosa work shop

**Duration: 5 Days**

Date:	Venue:	Cost:
Jan 17 – 21	Dammam	SR7,000
Apr 25 – 30	Dammam	SR7,000
Aug 1 – 5	Abha	SR 8,000

## READING OF PIPING AND INSTRUMENTATION DRAWINGS (E111A)

**OBJECTIVE:**

This course provides attendees how to read and interpret piping and instruments drawings as well as logic schematics of instrumentation.

**WHO SHOULD ATTEND?**

This course is recommended for engineers and instruments technicians to increase their knowledge in this field.

**COURSE CONTENT:**

- Introduction
- Standard Abbreviation and Symbols
- Standard Functional Symbols
- Interpret Symbols for Flow, Level, Temperature and Pressure Loops
- Use Piping and Instruments Drawings
- Instruments Logic Schematics

**Duration: 5 Days**

Date:	Venue:	Cost:
Jan 10-14	Dammam	SR7,000
Jul 25-29	Abha	SR7,000
Oct 17-21	Dammam	SR 8,000