

# ELECTRICAL COURSES

## OPERATION, MAINTENANCE AND PROTECTION OF POWER TRANSFORMERS (E81A)

**OBJECTIVE:**

This seminar provides attendees with a practical understanding in the operation, maintenance, and protection of power transformers and a good idea of the systems associated with the construction of the power transformer.

**WHO SHOULD ATTEND?**

This course is intended for operation engineers, and maintenance technicians.

**COURSE CONTENT:**

- Construction of Power Transformer
- Operation and Maintenance
- Systems Associated with Power Transformer
- Power Transformer Protection
- Power Transformer Testing, Common Defects, Causes, and Ways of Rectifying them

**PRACTICAL TASKS:**

- Demonstration of Associated Parts of the Transformer
- Demonstration of the Construction Parts of the Transformer

**Duration: 5 Days**

Date:	Venue:	Cost:
Mar 1 – 5	Dammam	SR6,000
Jun 14 – 18	Abha	SR7,000
Aug 2 – 6	Dammam	SR6,000

## OPERATING SWITCHGEAR OF SUBSTATION AND DISTRIBUTION (E80A)

**OBJECTIVE:**

This course is designed to provide the attendees with knowledge in the operation, inspection, testing and maintenance of substation and distribution switchgear and a good idea in the different types of circuit breakers air, SF6, etc.

**WHO SHOULD ATTEND?**

This course is recommended for electrical engineers and technicians who work in the operating switchgear and substation fields.

**COURSE CONTENT:**

- Distribution System and Substation Construction.
- Definitions and Quantities Related to Switches
- Types of Switch and Constructions
- Maintenance and Practical Applications on Maintenance of Switches
- Switchgear Construction and Maintenance

**PRACTICAL TASKS:**

- Circuit Breakers Construction CD
- Demonstrate Different Types of Circuit Breakers in ISCOA work shop

**Duration: 5 Days**

Date:	Venue:	Cost:
Feb 23 – 27	Dammam	SR6,000
Jun 14 – 18	Riyadh	SR7,000
Jul 26 – 30	Dammam	SR6,000