

ELECTRICAL COURSES

ADVANCED ELECTRICAL POWER SYSTEMS VOLTAGE and DYNAMIC SECURITY IN POWER SYSTEM OPERATION (E66AE)

OBJECTIVE:

It is the intention of this course to discuss in some detail both types of power system stability. In the course, the concepts of various types of stabilities are introduced.

WHO SHOULD ATTEND?

All electrical engineers are invited to attend this course. Operation, control, and planning engineers are strongly recommended to attend this course.

COURSE CONTENT:

- Sources of Disturbances in Power Systems
- Characteristics of Distribution Network Voltage
- Synchronous Stability
- Voltage/Power Relations of Two Nodes Systems
- Criteria for Detection of Steady State Voltage Instability
- FACTS and HVDC System Operation and Control
- Load Representation Effects on Voltage Stability Evaluation
- Blackouts Preventive Measures
- Harmonics Suppression for Power Quality and Voltage Stability.

Duration: 5 Days

Date:	Venue:	Cost:
Feb 7 – 11	Dammam	SR7,000
May 2 – 6	Oman	SR 9,000
Oct 3– 7	Jubail	SR 8,000
Dec 26 – 30	Dammam	SR 7,000

ADVANCED HV and EHV SWITCHGEAR (E39A)

OBJECTIVE:

This seminar provides attendees with a full understanding about HV & EHV Switchgear and Gas Insulated Systems.

WHO SHOULD ATTEND?

This course is intended for engineers and supervisors who have experience in this field.

COURSE CONTENT:

- Fault Level Calculations
- Transient System Models for Switching Transients
- Modern Vacuum Distribution Switchgear
- Modern SF₆ Distribution Switchgear
- Earthing Requirements
- Switching Requirements
- Gas Insulated Switchgear EHV I
- Gas Insulated Switchgear EHV II

Duration: 5 Days

Date:	Venue:	Cost:
Jan 10 – 14	Dammam	SR 7,000
Jun 13 – 17	Jubail	SR 8,000
Nov 21 – 25	Dammam	SR 7,000