Electrical Training Courses
By. International Center for Etudes
Course Outline:

Hazards & Effects of Electricity.
Safe Systems of Work.
Electrical Principles.
Electrical Power Systems.

Power Generation & Distribution.
Switchgear & Protection.
Power Transformers.
Electrical Diagrams & Symbols.
Electrical Documentation.
Fault Levels & Fault Energy.
Electrical Cables Types, Uses and Applications.
Case Studies.
Course Review
Course Outline:
Total Productive Maintenance is a rapidly process that many companies are seeing the major quality movement in the maintenance fields. It is an effective process that has your operating & maintenance personnel working together as a team to reduce waste, minimize downtime, and improve product quality & equipment effectiveness.

who should attend
Maintenance and Mechanical Engineers
Course Outline:

- The role of protection
- Fuses and other protective devices
- Current and voltage transformers
- Methods of achieving discrimination

- Relay grading
- Motor protection
- Feeder protection
- Transformer protection
- Generator protection
- Busbar zone protection
- Trip circuit supervision requirements
- Tutorial / practical
- Course review

Electrical Training Courses

Power System Protection

24 Hrs
Course Outline:
Systems for electrical power distribution.
Main components of distribution system
Load characteristics.
Demand and demand factors.
Utilization and diversity factors.
Maximum demand.
Connected, load factors and load growth.
Distribution transformers.
Distribution substation.
sub-station bus schemes.
Rating of a distribution substation.
Primary and secondary distribution systems.
Voltage drop, power factor improvement, power loss, and voltage regulation.
Distribution system protection and fault types.
Course Outline
Standards of power qualify
Voltage instability
Voltage security assessment
Voltage transients
Measurements
Sources of harmonics
Network modeling
Power quality improvement lab
In house training

We can provide all these courses and qualifications in-house in your organization - as they currently feature, or adapted to fit with your particular requirements.
in house training, learning and development solutions are a highly flexible, efficient, cost and time effective way to get the maximum return on your training and development investment.

We work with you to deliver solutions that fit exactly with your particular HR and business objectives and requirements.
In house training

Why International Center for Etudes ICE?

we will provide high quality, practical and innovative in-house training, learning and development solutions that will deliver results on your specific HR and business challenges.
In house training

Thanks
ICE Team

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