

Course Overview:

This highly relevant seminar is intended for mechanical and electrical technicians involved in heat transfer and heat exchanger, and those are responsible for general mechanical management for maintenance, planning and operation in different aspects of maintenance procedures, and persons who are interested to work in heat exchange problems area.

Course Objective:

Understanding basic information of heat transfer processes, operation, maintenance and fluid flow in thermal equipment in order to apply suitable heat augmentation techniques and to be familiar with principles of thermal design of heat exchangers.

Course Outline:

- Principles Of Heat Transfer
- Heat Transfer Mechanisms
- Modes Of Heat Transfer
- Laws Of Heat Transfer
- Shell & Tube Exchangers
- Plate Heat Exchangers
- Air Cooled Exchangers
- Furnaces / Boilers
- Heat Exchanger Sizing & Evaluation
- Heat Exchangers Standards
- Type Shell & Tubes Exchangers
- Basics Of Shell And Tube Standards
- Basics Of Air Cooled Exchanger
- Operation Of Shell And Tube Type
- Troubleshooting Heat Exchangers
- Optimizing Heat Exchanger Operation
- Maintenance & Operation

Who Should Attend:

- Electrical, mechanical, and chemical.
- Technicians who would like to refresh their knowledge.

Training Language:

Eng/Ar

Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation