

MECHANICAL COURSES

HEAT EXCHANGERS: DESIGN, PERFORMANCE & OPERATION (M37A)

OBJECTIVE:

This program provides knowledge and skills in the heat exchanger design and main problems of fouling, corrosion, vibration, and water hammering in heat exchangers.

WHO SHOULD ATTEND?

This program is recommended for maintenance foremen, supervisors, and engineers who are involved in the field of heat exchanges operation and maintenance.

COURSE CONTENT:

- Classification of Heat Exchangers
- Newer Designs of Shell and Tube Exchangers
- Fouling, Corrosion, Vibration, and Water Hammer
- Heat Exchangers Operation and Troubleshooting
- Heat Exchanger Maintenance
- Heat Exchanger Nomenclature
- Heat Exchangers Exhibit Booklet

PRACTICAL TASKS:

- Identify the defect of fouling, corrosion, vibration and water hammer on the heat exchanges.

Duration: 5 Days

Date:	Venue:	Cost:
Mar 29 – Apr 2	Dammam	SR6,000
Oct 18 – 22	Dammam	SR6,000

HEAT EXCHANGERS (M10A)

OBJECTIVE:

This seminar provides information on the fundamentals of different types, construction operation and troubleshooting of heat exchangers.

WHO SHOULD ATTEND?

This seminar is recommended for operation or maintenance technicians, and supervisors.

COURSE CONTENT:

1. Heat Exchangers and How They Work.
2. Heat Exchangers in the Plant
3. Shell Tube Heat Exchangers
4. Direct Contact Heat Exchangers
5. Typical Heat Exchangers Maintenance Problems

PRACTICAL TASKS:

- Types of scales and rust on tubes
- Analyze some problems on heat exchangers tube failures.

Duration: 5 Days

Date:	Venue:	Cost:
Mar 8 – 12	Dammam	SR6,000
Aug 9 – 13	Dammam	SR6,000