

MECHANICAL COURSES

VIBRATION ANALYSIS: IMPLEMENTING LATEST STANDARD SYSTEMS and PROCEDURES (M77AE)

OBJECTIVE:

Vibration monitoring and analysis are useful tools for predicting incipient mechanical, electrical, and process-related problems within plant equipment, machinery and continuous-process systems.

WHO SHOULD ATTEND?

This course is targeted for all who are interested in using vibration and equipment condition monitoring tools for identifying and correcting machinery problems. This includes machinery and mechanical plant maintenance planners, supervisors and managers and senior technicians.

COURSE CONTENT:

- Classification of Equipment Maintenance and Maintenance Decision
- Basic Vibration Theory
- Machinery Vibration Response
- Example Calculation Applications
- Transducer Mounting
- Selection and Use of Test Equipment
- Digital Signal Processing
- Modulation and Demodulation
- FFT Analyzer and Data Collector
- Using Overall Charts
- Statistical Method for Analysis

Duration: 5 Days

Date:	Venue:	Cost:
Apr 11 – 15	Dammam	SR7,000
Aug 8 – 12	Abha	SR 8,000
Dec 12 – 16	Dammam	SR7,000

WATER CHEMISTRY AND TREATMENT (M85A)

OBJECTIVE:

This course stresses the basic principles and advanced technologies of water chemistry and treatment with practical applications such as regeneration system, Cation sequence, Anion sequence , boiler water treatment in factories.

WHO SHOULD ATTEND?

This course is recommended for chemical, mechanical and operation engineers, supervisors, and technicians who have basic experience about chemistry water treatment and who are involved in the water treatment industry.

COURSE CONTENT:

- Desalination processes
- Process comparisons
- Description of the MSF desalination plant
- Description of the dosing system
- Description of equipment

Duration: 5 Days

Date:	Venue:	Cost:
Jan 3-7	Dammam	SR7,000
May 23-27	Jubail	SR 8,000
Oct 31-Nov 4	Dammam	SR7,000