

Course Overview:

Pumps and compressors find extensive use in power plants, water circulation systems, A/C and heating systems, and many other applications. Keeping these machines running with least troubles and shutdown decreases the downtime of the whole system. Right machine selection appropriate to the right application, right machine operation, effective maintenance programs, reliable monitoring system, and skilled personnel capable of doing the right trouble shooting are essential requirements for prolong machine life. All the above can be achieved via deeper understanding of the machines construction and tolerances, the limits and constraints on their operation, and the more effective controlling methods.

Course Objective:

The aim of this course is to enhance the knowledge & skills of the participants in the following topics: characteristics & performance of pumps, selection of pumps, cavitation, hydraulic losses in piping systems & design of piping system will be included

Course Outline:

- Introduction
- Classification Of Pumps
- Performance Of Centrifugal Pumps
- Performance Axial Flow Pumps
- Performance Of Mixed Flow Pumps
- Selection Of Pumps
- Cavitation
- Piping Systems
- Piping Codes & Standards
- Piping Connections
- Positive Displacement Pumps Classification
- Positive Displacement Pumps Performance & Characteristics
- Positive Displacement Pumps Selection
- Hydraulic Losses In Pipes
- Minor Losses In Pipes
- Performance Of Pressurized Water Piping System

Who Should Attend:

Mechanical, Operation, Production, and Maintenance Engineers should benefit from this course. Also Technicians should update and refresh their knowledge by attending this course.

Training Language:

EN / AR

Training Methodology:

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

Venue | Date | Fees

Riyadh | 15-10-2023 | 10,350 SAR
Khobar | 10-12-2023 | 10,350 SAR
ONLINE | 10-12-2023 | 7,475 SAR
ONLINE | 24-12-2023 | 7,475 SAR
Khobar | 24-12-2023 | 10,350 SAR
Riyadh | 24-12-2023 | 10,350 SAR