

Engineering Fundamentals of Piping & Pipelines

**September 14 to October 12
2019**

**Weekends & Evenings
Sessions**

COURSE OBJECTIVE

Upon completion of the course, participant should acquire good knowledge on design, construction and inspection of piping systems, which include process plant piping as well pipeline. The course provides emphasis on understanding the ASME Codes (B 31.3, 31.4, 31.8 & 16.5).



Course Outline

- ~ Types of Piping Systems
- ~ Applicable Codes & Standards
- ~ Material Selection for Piping
- ~ Manufacturing of Line Pipe
- ~ Pipe Wall Thickness Calculations
- ~ Pipe Flanges-Gaskets Types & Selection
- ~ Valves Types, Selection & Testing
- ~ Notes on Control Valves
- ~ Process Plant Piping Layout
- ~ Construction of Process Piping
- ~ Inspection and Pressure Testing
- ~ Pipeline Design and Construction
- ~ Hot Tapping for Piping and Pipeline
- ~ Typical Field Problems in Piping
- ~ Piping Vibration Types and Causes

Muhsen AlSanna'a

The instructor is an experienced piping & pipelines consultant with over **35** years solving various field problems in his area of expertise, reviewing design projects, performing piping stress analysis. He has developed standards, research concepts & SOW. He was a leader for engineers & designers.

WHO SHOULD ATTEND

- Fresh Graduates (ME, CE & CHE)
- Design Engineers
- Process engineers
- Project Engineers
- Operation Engineers
- Piping Designers
- Engineers in Petrochemicals and O&G.

Day	Time
Saturday	8:00 AM – 2:30 PM
Sunday	7:00 PM – 9:30 PM
Monday	7:00 PM – 9:30 PM
Tuesday	7:00 PM – 9:30 PM

CONTACT INFORMATION

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