

Plumbing Design and Fundamentals

Code: PDF

Duration: 8 Hours

Synopsis:

This course is designed to provide learners with the knowledge and skills on pipe fitting. This course will cover the plumbing design and stress on the proper safety precautions.

Course Objective:

On completion of this course, learners will be able to:

- Understand piping and tubing
- State the main functions of fittings
- Identify common pipe and tube fittings
- State the different type of piping materials and its applications
- Demo the methods of cutting, bending and joining sections of piping and tubing
- Perform restoration works

Course Outline:

This course will cover:

- Industrial and workshop safety
- Introduction to pipe fitting
- Different type of pipes, tubes and fitting
- Selection and installation of various piping materials
- Basic maintenance of various piping materials
- Cutting, bending and joining pipes and tubes
- Troubleshooting pipe and and tubing failures

For Whom:

Suitable for manufacturing supervisors, engineers, technicians and technical-skilled workers who are working in industries that involves pipe fitting works.

Entry Requirements:

Participants are assumed to:

- Be able to listen and speak English at a proficiency level equivalent to the Employability Skills System (ESS) level 3 and above;
- Be able to read and write English at a proficiency level equivalent to ESS level 3 and above; and
- Be able to manipulate numbers at a proficiency level equivalent to ESS level 3 and above.

Training Medium:

This course is conducted in English.

Training Methodology:

This course is delivered through mini-lectures, problem-solving approach, demonstration and hands-on practices.

Assessment Methodology:

Installation of pipe system skills test is conducted at the end of the course.

Certification:

A Certificate of Participation will be issued to those who attained a minimum attendance of 75%.