



INSTITUTE OF MATERIAL, MALAYSIA

IMM Welding Training Course

Welding & Joining Technology for Non-Welding Personnel Course

Code: WJT

HRDF claimable

This is a one-day Welding Technology Course for Engineering Management Personnel, designed for both practicing engineers and technical managers as well as those interested in keeping abreast with the current welding technologies.

The course is beneficial for those who wish to gain an understanding of how a Welding Procedure Specification (WPS) and a welder, through the Welder Qualification Test (WQT), are qualified and certified in the oil and gas industry, and also addresses the effectiveness of current non-destructive examination techniques as quality control tools to ascertain that quality welds are consistently produced/maintained.

Through this course, managers and engineers who wish to gain an appreciation for managing Weld Procedure Specification (WPS)/Welder Qualification Test (WQT) will be able to broaden their technical knowledge on welding technology related to the maintenance, inspection, alteration and repair of in-service metallic systems in order to avoid an unplanned shutdown and reduce expenses. This knowledge will enable them to make informed decisions on the acceptance of WPS/WQT during welding production and metallic fabrication work.

Reference standards (reference used shall refer to the latest published document):

- TBA

Who should apply

This course is most beneficial to administrative staff, technical management personnel of all levels including junior and senior engineers, inspectors, designers, manufacturers, fabricators, technical managers and practicing engineers who are involved in the management and planning of welding and inspection related activities as well as maintenance activities in upstream oil & gas

Objectives

To understand and acquire an appreciation of the following topics:

1. Welding technologies and the requirements necessary for safe design and construction
2. Key activities in quality control of welding and the key welding coordination activities
3. Responsibilities of welding co-ordination and the application of ISO 3834 "Quality Requirements for Welding".

Course topics

1. Introduction and welding quality
2. Welding procedure qualification
3. Welding processes and inspection
4. Materials and weldability
5. Welder qualification

Course duration

1 day

Pre-requisite(s)

No previous working experience is required.

Certificate awarded

Certificate of attendance