



## INSTITUTE OF MATERIAL, MALAYSIA

IMM Materials Training Course

### Materials Selection & Corrosion Course

Code: MSC

*HRDF claimable*

This two-day course aims to equip participants with the knowledge and skills to carry out materials selection and corrosion studies for industrial applications. The course has a focus on the selection and performance of metallic materials within the oil and gas sector. The class is based on theory lecture, interactive discussion and case studies.

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

- TBA

#### Who should apply

- Engineers involved in projects which involve materials selection or corrosion
- Materials engineers
- Managers who want to gain an overview of the materials selection and corrosion issues
- Integrity Engineers
- Maintenance Engineers

#### Objectives

- To develop a working knowledge of the materials selection process
- To identify corrosion and other risks to materials within the specific service environment
- To evaluate the mitigation options and see how they can be used to expand the range of materials which can be selected

#### Course topics

- The materials selection process standards used in the oil and gas sector
- Corrosion and degradation of materials
- Corrosion modeling
- Life cycle costing
- Corrosion mitigation and control

#### Course duration

2 days

#### Pre-requisite(s)

No previous working experience is required.

#### Certificate awarded

Certificate of attendance