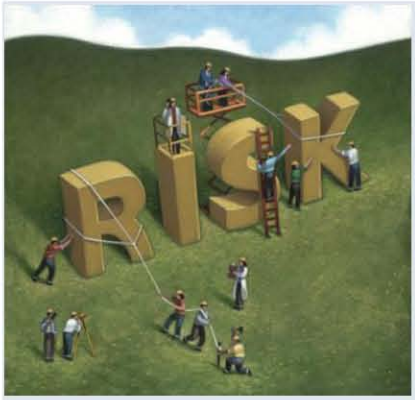

Risk Assessment

Most large organizations now have Health, Safety and Environmental Management Systems. Instead of prescriptive legislation and standards, a pro-active approach to risk management based on structured and systematic risk assessment is now in place.

This course will enable attendees to identify their role within the HSE management system and how to carry out semi-quantitative risk assessment. The program will also follow through the implementation of corrective and preventive measures.

COURSE Objectives

By the end of this course trainee should be familiar with:

- Definitions of hazard, risk and types of risks
- Techniques for measurement and evaluation of risks
- Techniques for hazard identification and analysis
- How to carry out semi-quantitative risk assessment
- Risk assessment techniques-Equipment-based and task-based approaches
- The link between risk assessment and risk management
- How to prepare and implement action plans
- Introduction to human factors and errors identification/classification
- Human error and accident causation (latent and active errors)

COURSE OUTLINE

- Introduction to Risk Assessment
- Hazards and Related Risks
- Hierarchy of Risk Control
- Measures to control the unacceptable risks
- Review the control measures to new hazards.
- An overview of hazard evaluation
- The use and utility of risk assessment
- Human contribution to major accidents
- Control of major accident hazards
- How to carry out risk assessment
- Introduction to Root Cause Analysis
- Principles for Project HSE Plans and Reviews
- Framework for risk assessment
- Hazards and Operability Studies (HAZOP) – in brief
- The role of Failure Modes and Effects Analysis
- Event Tree Analysis
- The role of Fault Tree Analysis in Quantified Risk Assessment (QRA)
- Human error and human reliability analysis

NEBOSH (IGC)

COURSE DURATION: 3 Days

TRAINING HOURS: 15 hrs

FEES/TRAINEE: 450 $

MINIMUM NO. OF TRAINEES: 14

LANGUAGE : English / Arabic