



A
Capworth
Open Program

CONTENT MANAGEMENT DEVELOPMENT COURSE

Course Dates: June 27th - 29th 2022

www.learning.capworth.net

About the Course

Hazard and Effect Management Process training is said to be the heart of the Health and Safety Management System because it helps in controlling and managing risk in the workplace and also in managing the impacts of failures in control.

HEMP is a risk management process which ensures that Hazards/Risks to workforce, equipment, properties and environments are properly controlled. In cases of failure in controls, it helps manage the impacts of incidents as well.

Considering the importance of the training, a HSE professional is not complete without skills necessary to control/ manage risk in the workplace; this is why this HEMP training is very important.

Learning Outcomes

At the end of the course participants will be able to:

- To increase awareness of the HEMP Concept
- To equip professionals with desired knowledge to use HEMP tools
- Learn how to apply HEMP practically in the workplace
- Know what HEMP is about (Define the acronym)
- Definition of HEMP terms
- Why HEMP is important in Health and Safety
- Define the variable involve in HEMP (Hazard, Effect, Management, Process)
- Learn How to use some HEMP tool for HEMP process
- How to Apply HEMP in the workplace

Who Should Attend

This course is ideal for

- HSE Professionals
- Supervisors
- Technical Staffs
- Managers
- Departmental Heads, etc.

Course Outline

Module 1 - What is HEMP (Meaning of the acronym)

Module 2 - Definition of the HEMP variables

- Hazard
 - Types of Hazards
- Risk
- Relationship between hazard and risk
- Exposure
- Effect
- Relationship between hazard and effect
- Management
- Process
- ALARP
- How the variables relate - Hazard, Risk & Exposure

Module 3 - HSE-Ms & HEMP

- HSE-MS
 - Elements of HSE-MS
- Where HEMP fits in the HSE-Ms
- Difference between HEMP & Risk Assessment

Module 4 - Elements of HEMP (Hazard Identification, Risk Assessment, Risk Control, Recovery)

- What is Hazard Identification
 - When Hazard Identification should be done
 - How to identify hazards (HAZID)
- Risk Assessment
- Risk Control
 - Elements of Risk Control - Elimination, Substitution, Engineering, Administrative control & PPE
- Recovery Measures
- Need for recovery measures

Module 5 HEMP Tools

- HAZID
 - Exercise
- RAM (Risk Assessment Matrix)
 - Exercise
- Fault Tree Analysis
- Event Tree Analysis
- Bow Tie Diagram