

Course Overview:

This course is designed to deliver expert instruction on how to successfully plan and execute Hazards Analysis studies efficiently and effectively. The aim of this course is to provide the participants with the knowledge and group leadership skills to lead teams in effective Process Hazards Analysis (PHA) studies and HAZOP studies.

Course Objective:

Upon the successful completion of this course, participants will:

- Gain an understanding of the concepts of PHA and of the major techniques for hazard identification and when each should be used.
- Gain an understanding of the responsibilities involved in PHA leadership and training in the skills necessary for leading PHA studies.
- To be familiar with HAZOP Techniques
- To act as a Team Leader of a HAZOP Team.
- To be able to carry out HAZOP Studies.
- Gain knowledge to describe the need for change and change management as well as effective methods for dealing with changes.

Course Outline:

- Introduction
- Overview of HSE hazard
- Overview of process safety management
- How to identify hazards
- Overview of PHA requirements
- Preparing for the hazard evaluation (risk review or PHA)
- Quantitative & qualitative hazard
- Hazardous materials (flammable & combustible • substances)
- Preliminary hazards analysis
- HAZOP technique
- How to assess risks
- Protection measures
- PHA facilitation skills
- Team leader qualifications
- Responsibility of participants in PHAS & HAZOP teams
- PHA management

Who Should Attend:

- PHA / HAZOP Team Leaders & scribes
- Health & Safety / HSE professionals
- Supervisors, managers and engineers responsible for PHA studies

Training Language:

EN / AR

Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation