



*Training Course:
Industrial Hygiene*

*17 - 21 January 2027
Cairo (Egypt)*

Training Course: Industrial Hygiene

Training Course code: HE7011 From: 17 - 21 January 2027 Venue: Cairo (Egypt) - Training Course Fees: 4100 € Euro

Introduction

This program explores core concepts of industrial hygiene, focusing on identifying, evaluating, communicating, and controlling workplace conditions that may lead to occupational diseases. It is designed for individuals and managers seeking to enhance their knowledge of occupational hygiene. Key topics include principles of occupational hygiene programs, health hazards biological and chemical, relevant sciences anatomy, biology, chemical effects, occupational diseases, and health sampling, measurement, and evaluation techniques.

Objectives

- Obtain an in-depth knowledge of the industrial hygiene range of topics
- Learn about the different types of occupational diseases and illness conditions
- Understand how to anticipate, recognize, evaluate, communicate, and control workplace conditions
- Participate in case study exercises and group discussions regarding industrial hygiene management

Target Audience

- Industrial Hygienists
- HSE Managers and Safety Officers
- Occupational Health Professionals
- Environmental and Safety Engineers
- Risk Assessment Specialists
- Operations and Maintenance Personnel
- Laboratory and Technical Staff
- Occupational Health and Safety Coordinators
- Facility and Plant Managers
- Professionals responsible for workplace health, exposure monitoring, and hazard control

Outlines

Day 1: Introduction to Industrial Hygiene

- What is industrial hygiene?
- Industrial hygiene management systems
- Occupational exposure standards

- Overview of the types of health risks
- Occupational diseases and illness conditions
- Case study review
- Delegate exercise: outline the primary health risks

Day 2: Understanding Health Risks

- The human system skeleton, muscles, nerves, circulation, respiratory, skin, sense organs, etc
- Methods of identifying health risks
- Biological risks
- Chemical risks
- Physical risks
- Radiation risks ionizing and non-ionizing
- Delegate exercise: list primary health risks of your organization

Day 3: Industrial Toxicology

- Exposure routes of hazardous substances
- Health effects and classification of hazardous substances
 - Toxic, Irritant, Asphyxiant and Anesthetic
 - Hepatotoxic agents
 - Nephrotoxic agents
 - Neurotoxic agents
 - Blood damaging agents
 - Lung damaging agents
- Delegate exercise: produce exposure routes of entry into body diagram

Day 4: Measuring and Evaluating Health Risks

- Recognition of potential health risks
- A sampling of gases, vapors, and particulates

- Walk-through surveys
- Health surveillance programs
- Health risk assessment reviews
- Methods of controlling health risks
- Determining health risk control methods
- Case study review
- Delegate exercise: list the use of anticipate, recognize, manage and control of health risks

Day 5: Monitoring & Recording Health Risk Controls

- Biological monitoring and medical surveillance
- Hearing conservation programs
- Occupational diseases and illness condition prevention programs
- Learning from incidents of ill health
- Step-by-step guide for managing health risks
- Video: list health risk monitoring and, the records to be kept in your organization
- Key point summary of program topics

Registration form on the Training Course: Industrial Hygiene

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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