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Riyadh - Al Khaleej District - Sheikh Abdul Aziz Bin Abdul Rahman Bin Bishr Street - 13223 - Office No. 5 | P.O.BOX : 13224

# Course: Industrial Hygiene

| Code | City | hotel | Start | End | price | Language - Hours |
|---|---|---|---|---|---|---|
| EFS-194SA | Alula | Hotel Meeting | 2027-05-09 | 2027-05-13 | 10950 SR | En - 25 |

## Overview:

This programme covers all the key concepts of industrial hygiene, including anticipating, recognising, evaluating, communicating, and control of workplace conditions that have the potential to cause occupational disease and illness. The programme is aimed at individuals and managers who wish to learn more about, or enhance their knowledge, industrial (occupational) hygiene.

**the key elements covered include:**

- Occupational hygiene programme principles
- Health hazards (biological, chemical, etc)
- Essential sciences (human anatomy, biology and chemical effects)
- Occupational diseases
- Health, sampling, measurement and evaluation techniques

## The Goals

- 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, recognise, evaluate, communicate, and control workplace conditions
- Participate in case study exercises and group discussions regarding industrial hygiene management

## The Process

Delegates will learn by active participation through interactive presentation tools, supported by videos, delegate exercises and case studies, in which delegates will learn the key elements of industrial hygiene, as related to the business activities of their particular organisation.

## Programme Summary

The purpose of this Industrial Hygiene training session is to provide delegates with the key principles and essential knowledge and skills to manage and monitor the professional practice of industrial hygiene, including anticipating, recognising, evaluating, communicating health risks and, the control of workplace conditions that have the potential to cause occupational disease and illness.

## The Programme Content

### 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

### 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 (ionising and non-ionising)
- Delegate exercise: list primary health risks of your organisation

## Industrial Toxicology

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

## Measuring and Evaluating Health Risks

- Recognition of potential health risks
- Sampling of gases, vapours and particulates
- Walk-through surveys
- Health surveillance programmes
- Health risk assessment reviews
- Methods of controlling health risks
- Determining health risk control methods
- Case study review
- Delegate exercise: list the use of anticipate, recognise, manage and control of health risks

## Monitoring & Recording Health Risk Controls

- Biological monitoring and medical surveillance
- Hearing conservation programmes

- Occupational diseases and illness condition prevention programmes
- Learning fro 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 organisation
- Key point summary of programme topics

**The Scandinavian Academy for Training Center** adopts the latest scientific and professional methodologies in training and human resource development, aiming to enhance the efficiency of individuals and organizations. Training programs are delivered through a comprehensive approach that includes:

- Theoretical lectures supported by PowerPoint presentations and visual materials (videos and short films).
- Scientific evaluation of participants before and after the program to measure progress and knowledge acquisition.
- Brainstorming sessions and practical role-playing to simulate real-life scenarios.
- Case studies tailored to align with the training content and participants work nature.
- Assessment tests conducted at the end of the program to evaluate the achievement of training objectives.

Each participant receives the training material (both theoretical and practical) in printed form and saved on a CD or flash drive. Detailed reports, including attendance records, final results, and overall program evaluations, are also provided.

Training materials are prepared professionally by a team of experts and specialists in various fields. At the end of the program, participants are awarded a professional attendance certificate, signed and accredited by the Scandinavian Academy for Training Center.

**Program Timings:  9:00 AM to 2:00 PM**

**The program includes:**

- A daily buffet provided during the sessions to ensure participants comfort.
- A closing ceremony on the final day to distribute certificates and celebrate participants achievements.
- **Note: All prices are exclusive of 15% Value Added Tax (VAT).**

# Our Success Partners

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