SCANDINAVIAN ACADEMY
For Training and Development

Course: Human Error Analysis & Prevention

Code	City	Hotel	Start	End	Price	Language - Hours
182	Cyprus (Larnaka)	Hotel Meeting Room	2025-12-22	2025-12-26	5950 €	En - 25

Introduction

Human errors refer to the environmental, organisational and job factors, and human and individual characteristics which influence the behaviour at work in a way which can affect an organisation's health and safety performance. A simple way to view human error is to think about three aspects: the job, the individual and the organisation and how they interact to impact on health and safety related human behaviour.

After an accident involving human failure - using human error analysis tools can identify the causes and contributing human error factors. Establishing these underlying causes of an accident/incident is the key to preventing similar human error accidents/incidents.

This course is aimed at providing delegates with the practical on-site knowledge and skills to develop and successfully implement effective human error analysis techniques.

Objectives

Participants attending the programme will:

- Explain the various human error analysis techniques and how they can be used
- Show how human behaviour can lead to human errors and incidents/accidents
- Provide practical ideas and methods for observing and preventing human errors
- Review practical case studies to show how other organisation have used human error analysis techniques to prevent human errors in the workplace

Training Methodology

Delegates will learn by active participation through inspiring presentation tools and interactive techniques presented in a lively, enthusiastic and interesting style. Delegates will take part in practical human error analysis exercises and group discussions, as related to their own organisation's workplace activities.

SEMINAR OUTLINE

DAY 1

Introduction to Human Error

- What is human error?
- Understanding the different types of human error
- Human Error related workplace and job task causation factors
- Human failures in the causes of accidents/incidents
- Exercise: Define human error and prevention objectives

DAY 2

Human Error Analysis Factors

- Managing Rule-Breaking situations (Violations)
- Human behaviour patterns leading to human errors
- Cultural behaviour and sensory and perception
- Using the Shell 'Hearts and Minds' toolkit to improve human behavioural factors
- Exercise: List the different types of human errors and prevention options

DAY 3

Observation Methods for Unsafe Acts and Conditions

- Using the Dupont 'STOP' on-site safety observation tool for
- Observing Substandard Practices and behaviour
- Observing Substandard Conditions
- Using 'Job Safety Analysis' to identify and assesses types of human errors
- Exercise: Identify human errors of presented accident scenario

DAY 4

Human Error Analysis Techniques

- Analysing site operations human error situations
- Using the 'Human Reliability Assessment' (HRA) human error analysis technique
- Human error observation and prevention options
- Options and Solutions for preventing human errors
- Exercise: Using Fault Tree Analysis method to analyse human errors

DAY 5

Human Error Analysis & Prevention – Getting Started

- Identifying and categorising human errors in the workplace
- Considering Human factors when analysing incidents and accidents
- Review of Human factors in existing work methods and procedures
- Human error analysis within the health and safety management syst
- Exercise: Checklist for observing human errors in the workplace
- Course Review: Key points summary of course topics

The Scandinavian Academy for Training and Development employs modern methods in training and skills development, enhancing the efficiency of human resource development. We follow these practices:

- **Theoretical Lectures:**
  - We deliver knowledge through advanced presentations such as PowerPoint and visual materials, including videos and short films.
- **Scientific Assessment:**
  - We evaluate trainees skills before and after the course to ensure their progress.
- **Brainstorming and Interaction:**
  - We encourage active participation through brainstorming sessions and applying concepts through role play.
- **Practical Cases:**
  - We provide practical cases that align with the scientific content and the participants specific needs.
- **Examinations:**
  - Tests are conducted at the end of the program to assess knowledge retention.
- **Educational Materials:**
  - We provide both printed and digital scientific and practical materials to participants.
- **Attendance and Final Result Reports:**
  - We prepare detailed attendance reports for participants and offer a comprehensive program evaluation.
- **Professionals and Experts:**
  - The programs scientific content is prepared by the best professors and trainers in various fields.
- **Professional Completion Certificate:**
  - Participants receive a professional completion certificate issued by the Scandinavian Academy for Training and Development in the Kingdom of Sweden, with the option for international authentication.
- **Program Timings:**
  - Training programs are held from 10:00 AM to 2:00 PM and include coffee break sessions during lectures.