

Scandinavian Academy
Training Center

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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: Human Error Analysis & Prevention

Code	City	hotel	Start	End	price	Language - Hours
HS-182SA	Dammam	Hotel Meeting Room	2026-12-20	2026-12-24	12950 SR	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 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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