



Quality Management & Operational Excellence

## **ISO 31010 Risk management – Risk assessment techniques**

## Course Introduction

---

Effective risk assessment is a critical component of organizational resilience and decision-making. **BOOST** presents this comprehensive five-day training on **ISO 31010 Risk Management - Risk Assessment Techniques**, designed to provide professionals with a structured approach to identifying, analysing, and evaluating risks using internationally recognized methodologies. This course equips participants with practical tools and techniques to enhance risk management processes and support strategic decision-making.

## Target Audience

---

- Risk management professionals.
- Compliance and audit officers.
- Quality and safety managers.
- Business continuity and resilience specialists.
- Project managers and decision-makers involved in risk assessment.

## Learning Objectives

---

- Understand the principles and framework of ISO 31010.
- Identify various risk assessment techniques and their applications.
- Apply qualitative and quantitative risk analysis methods.
- Implement risk evaluation strategies for effective decision-making.
- Integrate risk assessment into organizational risk management frameworks.
- Develop actionable risk mitigation and response plans.

# Course Outline

---

## • 01 DAY ONE

### **Introduction to Risk Management and ISO 31010**

- Overview of Risk Management Principles
- Understanding ISO 31000 and ISO 31010 Standards
- Key Concepts and Risk Assessment Frameworks
- Risk Identification Methods and Techniques
- Establishing the Context for Risk Assessment

## • 02 DAY TWO

### **Qualitative Risk Assessment Techniques**

- Risk Matrices and Their Applications
- Hazard and Operability Study (HAZOP)
- Failure Modes and Effects Analysis (FMEA)

SWOT Analysis for Risk Identification

## • 03 DAY THREE

### **Quantitative Risk Assessment Methods**

- Monte Carlo Simulation and Probability Analysis
- Fault Tree Analysis (FTA) and Event Tree Analysis (ETA)
- Sensitivity Analysis in Risk Decision-Making
- Bayesian Networks for Risk Prediction

## • 04 DAY FOUR

### **Risk Evaluation and Decision-Making**

- Comparing Risk Assessment Methods
- Prioritizing Risks Using Decision-Making Techniques
- Cost-Benefit Analysis in Risk Management
- Using Bowtie Analysis for Risk Visualization

## • 05 DAY FIVE

### **Risk Mitigation, Reporting, and Continuous Improvement**

- Developing Risk Treatment Plans

- Integrating Risk Assessment into Business Processes
- Communicating Risk Assessment Findings
- Best Practices for Continuous Risk Monitoring

## Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 4, 2025	May 8, 2025	5 days	4250.00 \$	Qatar - El Doha
Aug. 18, 2025	Aug. 22, 2025	5 days	4250.00 \$	UAE - Dubai
Nov. 17, 2025	Nov. 21, 2025	5 days	5950.00 \$	USA - Texas
Nov. 30, 2025	Dec. 4, 2025	5 days	2150.00 \$	Virtual - Online