Scandinavian Academy

for Training and Development AB

Course: AI Powered Enterprise Risk Intelligence and Treatment Strategies

Code	City	Hotel	Start	End	Price	Language - Hours
DAI-936	Muscat (Oman)	Hotel Meeting Room	2026-04-26	2026-04-30	3950 €	En - 25

Course Introduction

In today's volatile, uncertain, complex, and ambiguous (VUCA) environment, traditional risk management approaches are no longer sufficient to address emerging and interconnected risks. Organizations must transition toward predictive, intelligent, and continuously adaptive risk intelligence systems.

This advanced executive program equips professionals with structured methodologies to design, implement, and govern AI-powered enterprise risk management frameworks aligned with global standards and governance best practices.

General Objective

To enable participants to design, implement, and govern AI-driven enterprise risk intelligence frameworks that enhance predictive accuracy, strategic decision-making, resilience, and optimized risk treatment across complex business environments.

Learning Objectives

By the end of this program, participants will be able to:

- Design AI-supported risk identification and classification architectures
- Develop predictive risk scoring models
- Build early-warning systems and executive dashboards

- Optimize risk treatment strategies using prescriptive analytics
- Apply AI across financial, cyber, operational, and ESG risk domains
- Establish AI governance aligned with international standards
- Evaluate AI model reliability, transparency, and compliance
- Develop enterprise AI risk transformation roadmaps

Target Audience

This program is designed for:

- Chief Risk Officers and Risk Directors
- Enterprise Risk Managers and Compliance Leaders
- Strategy, Governance, and Internal Audit Executives
- Financial and Market Risk Specialists
- Cybersecurity and Technology Risk Leaders
- Digital Transformation Executives
- Data Scientists working in risk domains
- Regulators and Policy Analysts
- Senior Risk and Strategy Consultants

Course Outline

Day 1: Strategic Risk Intelligence & AI Foundations

Module 1: The Strategic Transformation of Risk Management

- Evolution of risk in digital environments
- Reactive vs. predictive paradigms
- AI-driven risk intelligence ecosystems
- Risk and competitive advantage
- Strategic risk alignment

Module 2: Advanced Risk Taxonomy & Classification Design

- Dynamic enterprise risk taxonomies
- Multi-layer classification models
- Systemic risk interdependency mapping
- Risk-to-KPI integration
- AI-supported clustering concepts
- Workshop: Designing an AI-enabled enterprise risk classification framework

Day 2: Predictive Risk Modeling & Early-Warning Systems

Module 3: AI-Powered Risk Prediction Engines

- Probability and impact forecasting
- Time-series and anomaly detection
- Key Risk Indicators (KRIs)
- Behavioral risk analytics
- Intelligent risk scoring

Module 4: Real-Time Risk Visualization & Early Warning

- Dynamic risk heatmaps
- Executive risk cockpit design
- Weak signal detection
- Horizon scanning and trend analytics
- Governance system integration
- Workshop: Designing a predictive risk dashboard and early-warning system

Day 3: Risk Treatment Optimization & Intelligent Decision Systems

Module 5: AI-Optimized Risk Treatment Strategies

- Avoid, Reduce, Transfer, Accept, Exploit
- Cost-benefit optimization
- Prescriptive response modeling

- Adaptive risk treatment concepts
- Automated prioritization frameworks

Module 6: Scenario Modeling & Stress Testing

- AI-supported stress testing
- Forward-looking scenario planning
- Digital twin concepts
- Sensitivity and impact analysis
- Decision simulation techniques
- Workshop: Designing an AI-optimized risk response playbook

Day 4: Specialized Risk Domains & Intelligent Controls

Module 7: Financial, Credit & Market Risk Intelligence

- AI in credit scoring
- Fraud detection models
- Market volatility forecasting
- Liquidity risk analytics
- Stress-testing concepts

Module 8: Cyber, Operational & ESG Risk Analytics

- AI-driven cyber threat modeling
- Behavioral anomaly detection
- Operational risk monitoring
- ESG risk scoring models
- Reputation risk analytics
- Workshop: Developing a multi-domain AI risk intelligence dashboard

Day 5: AI Risk Governance, Ethics & Enterprise Deployment

Module 9: AI Risk Governance & Regulatory Alignment

- ISO 31000 alignment

- ISO 23894 principles
- NIST AI Risk Management Framework
- EU AI Act overview
- Model validation and governance

Module 10: Enterprise AI Risk Architecture & Transformation Roadmap

- AI-driven ERM operating models
- Data governance and infrastructure readiness
- AI model lifecycle management
- Bias, explainability, and accountability
- Enterprise AI risk maturity models
- Workshop: Designing and presenting a complete AI-enabled enterprise risk intelligence framework

The Scandinavian Academy for Training and Development 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 and Development.

Program Timings:

- 9:00 AM to 2:00 PM in Arab cities.
- 10:00 AM to 3:00 PM in European and Asian cities.

The program includes:

- A daily buffet provided during the sessions to ensure participants comfort.