

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: Strategic Data Management and Innovation in Supply Chain

Code	City	hotel	Start	End	price	Language - Hours
SC-907SA	Al Khobar	Hotel Meeting	2027-09-19	2027-09-23	9950 SR	En - 25

Course Introduction:

In today`s dynamic and increasingly digital supply chain environment, organizations are recognizing the critical role of high-quality data in driving operational efficiency, strategic decision-making, and innovation. Poorly managed data can lead to procurement delays, inventory inaccuracies, compliance risks, and missed business opportunities.

This intensive five-day course is designed to equip supply chain professionals with the knowledge and tools to implement robust master data management (MDM), standardize materials and services, and harness the power of data governance, analytics, and artificial intelligence (AI). By integrating these elements, participants will be empowered to improve data integrity, streamline operations, and foster a culture of innovation within their organizations.

The program combines theoretical frameworks with practical tools, real-world case studies, and hands-on exercises to ensure that participants leave with actionable strategies aligned with international best practices and the latest technological advancements.

Course Objectives:

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

- Understand the strategic importance of master data management (MDM) and data governance in supply chain operations
- Standardize materials and services to improve procurement efficiency and data

accuracy
- Apply analytics and AI tools to optimize supply chain decision-making
- Implement governance frameworks to ensure data consistency and compliance
- Explore emerging innovations in supply chain digitization and automation

Target Audience:

- Supply Chain Managers
- Procurement and Materials Management Professionals
- Data Governance and Master Data Officers
- Business Analysts in Logistics and Operations
- IT Specialists supporting SCM systems

Course Outline:

Day 1 – Foundations of Master Data Management

- The role of MDM in modern supply chains
- Master data domains: materials, services, suppliers, customers
- Data lifecycle and classification techniques
- Common challenges and best practices
- MDM case study: global supply chain context
- Practical Workshop: Mapping material master records

Day 2 – Standardization of Materials and Services

- Why standardization matters in procurement and inventory
- International and industry standards (e.g., UNSPSC, ISO codes)
- Building a materials and services catalog
- Naming conventions and data cleansing techniques

- Integration with ERP systems (SAP, Oracle)
- Group Exercise: Rebuilding a materials catalog based on real examples

Day 3 – Data Governance in the Supply Chain

- Key pillars of data governance
- Roles and responsibilities (Data Owners, Stewards, Governance Boards)
- Developing data policies and procedures
- Compliance and audit mechanisms
- Monitoring and improving data quality
- Simulation: Designing a data governance framework for your organization

Day 4 – Supply Chain Analytics and AI Applications

- Overview of analytics in supply chain management
- AI and machine learning in forecasting, inventory, and sourcing
- Data visualization tools and dashboards (Power BI, Tableau)
- Predictive vs prescriptive analytics
- Success stories from leading companies
- Hands-on Exercise: Building a supply chain KPI dashboard

Day 5 – Integration and Innovation

- Linking MDM, standardization, analytics, and AI
- Change management and digital transformation in SCM
- Innovation trends: IoT, blockchain, autonomous supply chains
- ROI and KPIs for data-driven supply chain projects
- Action plan: Applying course insights in your department

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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