



London TDM

# Procurement and Supply Chain Management Training Courses

**Course Venue:** United Arab Emirates - Dubai

**Course Date:** From 26 April 2026 To 30 April 2026

**Course Place:** Downtown Dubai

**Course Fees:** 5,000 USD

## Introduction

This comprehensive 5-day course is designed to equip professionals with the analytical tools and techniques necessary for optimizing supply chain operations. Through interactive sessions and hands-on exercises, participants will gain insights into data-driven decision-making processes, ensuring efficient and resilient supply chain management. By the end of the course, attendees will be able to apply advanced analytical methods to enhance the performance and agility of their supply chains.

## Objectives

- Understand the role of analytics in supply chain management.
- Learn how to use data to drive supply chain decisions.
- Gain skills in forecasting and demand planning.
- Explore techniques for inventory optimization.
- Apply optimization models to improve supply chain efficiency.

## Course Outlines

### Day 1: Introduction to Supply Chain Analytics

- Overview of Supply Chain Management
- Importance of Analytics in Supply Chains
- Data Sources and Types in Supply Chains
- Introduction to Key Analytical Tools
- Case Studies: Successful Analytics Implementation

### Day 2: Data Analysis and Forecasting

- Data Cleaning and Preprocessing Techniques
- Descriptive and Inferential Statistics
- Time Series Analysis for Demand Forecasting
- Using Predictive Analytics in Supply Chains
- Hands-on Session: Building a Forecasting Model

### Day 3: Inventory Management and Optimization

- Principles of Inventory Management
- Techniques for Demand Planning and Replenishment
- Safety Stock and Service Level Considerations
- Inventory Optimization Models
- Workshop: Inventory Simulation Exercises

### Day 4: Network Design and Optimization

- Components of Supply Chain Network Design
- Transportation and Logistics Optimization
- Facility Location and Sizing Strategies
- Optimization Tools and Methods
- Case Study: Real-world Network Design Problems

## **Day 5: Advanced Topics and Future Trends**

- Leveraging Big Data in Supply Chains
- Machine Learning Applications in Supply Chain Analytics
- Understanding Supply Chain Risks and Mitigation
- The Role of Blockchain and IoT
- Preparing for Future Trends in Supply Chain Optimization