

Logistics and Supply Chain with Risk Management

Learn to plan capacity, manage inventory, design logistic networks and mitigate supply chain risk using technology.

8 Hours

DURATION

6

MODULES

23

TOPICS

2

HANDS-ON ACTIVITIES

COURSE OVERVIEW

This course provides a comprehensive understanding of key logistics and supply chain management principles. It covers fundamental concepts such as capacity planning, inventory management, logistic network design, and reverse logistics, along with modern approaches to risk mitigation and technology integration. Through interactive case studies, simulations, and group discussions, participants will gain practical insights into optimizing supply chain efficiency, managing risks, and leveraging technology for better decision-making.

WHO THIS COURSE IS FOR

This course is designed for professionals involved in supply chain, logistics, and operations management. It is ideal for supply chain managers, logistics coordinators, procurement specialists, business analysts, and professionals seeking to enhance their understanding of supply chain optimization, risk management, and technological advancements. The course is also suitable for business leaders aiming to improve supply chain resilience and efficiency.

LEARNING OBJECTIVES

- Explain key components and functions of supply chains
- Apply resource-based and demand-based capacity planning methods
- Describe inventory deployment and distribution optimisation techniques
- Plan logistic network design balancing cost, service and flexibility
- Explain the role of reverse logistics and sustainability
- Identify operational, financial, geopolitical and environmental risks
- Assess risk mitigation strategies such as diversification and contingency
- Evaluate technology such as RFID and bar coding for supply chain visibility

How the Course Is Taught

Participant Involvement: We will introduce regular opportunities for participant involvement, including discussions, feedback sessions, and reflection exercises, to ensure that the training remains interactive and relevant to their needs.

COURSE SYLLABUS

6 Modules, 23 Topics

01

2 hours

Logistics and Supply Chain Overview

SESSION 1: INTRODUCTION TO LOGISTICS AND SUPPLY CHAIN MANAGEMENT (30 MINUTES)

- Definition and Importance of Logistics and Supply Chain Management
- Key Components and Functions of Supply Chains

SESSION 2: CASE STUDY: OPTIMIZING SUPPLY CHAIN EFFICIENCY (1 HOUR)

- Presentation of a case study on a real-life supply chain optimization scenario
- Group discussion and analysis of challenges faced and potential solutions

SESSION 3: INTERACTIVE ACTIVITY: CAPACITY PLANNING AND DEMAND MANAGEMENT SIMULATION (30 MINUTES)

- 01 Participants engage in a simulation exercise to understand the principles of capacity planning and demand management
- 02 Teams collaborate to make decisions related to capacity planning and managing demand fluctuations

02

2 hours

Capacity Planning and Demand Management

SESSION 1: UNDERSTANDING CAPACITY PLANNING (1 HOUR)

- Definition and Objectives of Capacity Planning
- **Methods for Capacity Planning:** Resource-Based and Demand-Based Approaches

SESSION 2: CASE STUDY: OPTIMIZING PRODUCTION CAPACITY (1 HOUR)

- Presentation of a case study on capacity planning and management in manufacturing
- Group discussion on strategies for optimizing production capacity to meet demand fluctuations

03**1 hour**

Inventory Management and Deployment

SESSION 1: DEPLOYED MANAGEMENT STRATEGIES (1 HOUR)

- Overview of Deployed Management in Supply Chain Operations
- Techniques for Optimizing Inventory Deployment and Distribution

04**1 hour, 30 minutes**

Logistic Network Design

SESSION 1: PRINCIPLES OF LOGISTIC NETWORK DESIGN (1 HOUR)

- Key Considerations in Logistic Network Design: Cost, Service, and Flexibility
- Strategies for Designing an Efficient and Responsive Logistic Network

SESSION 2: CASE STUDY: REDESIGNING LOGISTIC NETWORK (30 MINUTES)

- Presentation of a case study on redesigning a logistic network for improved efficiency
- Group discussion on challenges and solutions for optimizing logistic network design

05**30 minutes**

Reverse Logistics and Sustainability

SESSION 1: INTRODUCTION TO REVERSE LOGISTICS AND SUSTAINABILITY (15 MINUTES)

- Definition and Importance of Reverse Logistics
- Role of Sustainability in Supply Chain Operations

SESSION 2: CASE STUDY: IMPLEMENTING SUSTAINABLE REVERSE LOGISTICS PRACTICES (15 MINUTES)

- Presentation of a case study on implementing sustainable reverse logistics practices
- Group discussion on the environmental and economic benefits of sustainable reverse logistics initiatives

06**1 hour**

Risk Mitigation and Technology Use in Supply Chain

SESSION 1: IDENTIFYING AND MITIGATING RISKS IN SUPPLY CHAINS (30 MINUTES)

- Types of Risks in Supply Chains: Operational, Financial, Geopolitical, and Environmental
- Strategies for Risk Mitigation: Diversification, Resilience Planning, and Contingency Strategies

SESSION 2: LEVERAGING TECHNOLOGY FOR RISK MANAGEMENT (30 MINUTES)

- RFID, Bar Coding & Metrics to Enhancing Supply Chain Visibility
- Case Study: Implementing Technology to Mitigate Supply Chain Disruptions
- Group discussion on how organizations can integrate technology to strengthen risk management strategies

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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