

# Advanced Logistics & Material Transportation

Enlightening Supply Chain Management, Transportation, Inventory & Administration

## Introduction

Through an understanding of Supplier Management in Purchasing, Transportation Models, and Inventory Models from a cost-efficient and optimization perspective, this Course N Carry Advanced Logistics and Materials Management training course fully covers the role and impact of logistics and supply chain management affecting an organisation.

With the help of this highly interactive advanced training course, participants will be able to strategically manage inventory and international shipping systems by practicing and developing important aspects of advanced materials management and logistics. Throughout the training session, attendees are given examples of worldwide best practices to help them completely integrate the knowledge and put it to use when they return to their jobs after the course.

## The following will be covered in this Course N Carry Advanced Logistics & Material Transportation course:

- Process mapping internal procedures and the supply chain to achieve optimal outcomes
- Risk management and the activities of internal and external departments and stakeholders
- The effects of sophisticated logistics management on the financial resources of the company as well as on internal and external customer service
- Combining resource planning, peak demand, and logistics forecasting to maximise inventory management's cost effectiveness
- Models of inventory to efficiently manage and, where necessary, decrease stocks
- International best practices for materials management, inventory control, and buying

## Objectives

### After completing this programme in Advanced Logistics and Materials Transportation, participants will be qualified to:

- Recognise the implications of buying, materials management, and logistics for both internal and external organisation activities.
- Apply the knowledge of goods processes, paperwork, and international logistics.
- Recognise the significance of efficient resource planning

- Create work processes and financial domains that are optimised, such as cash flow, cost control, and management.
- Discover how to use strategic strategies for selective inventory to manage inventory successfully.
- Create detailed action plans to advance their position and benefit to the organisation.

## Training Methodology

A range of tried-and-true, highly engaging adult learning strategies will be used in this Course N Carry Advanced Logistics and Materials Transportation training course to guarantee optimal acquisition, retention, and understanding of the material covered. This consists of case studies, role-plays, movies, and coached group and individual activities. In order to promote learning, the teacher will also urge the participants to evaluate and test any ideas and concepts covered in the session.

## Organizational impacts

**Teaching the principles of Interactive Economics to your employees can help drive organizational growth and seamless operations:**

- A short course that equips employees with skills for the real world
- Employees receive enhanced and economically driven decision-making skills
- Helps create better marketing strategies for higher sales
- Provides a competitive advantage by helping make calculated risks

## Personal Impact

**Enrolling in this course can benefit you in the following ways:**

- Gain a deep understanding of the relation between human behavior and finances
- Learn modern techniques to estimate market demand and prediction
- Attain leadership, adaptability, and decision-making skills
- Analyze and understand successful market strategies

## Who should attend?

**Professionals looking for fresh approaches to give their team or company a competitive advantage can benefit from this Advanced Logistics and Materials Transportation training course. The course is designed for professionals with experience in supply chain and logistics management roles. Additionally, it helps:**

- Senior Experts in Logistics Operations
- Personnel for purchasing, warehousing, and inventory
- Teams for Materials and Finance Management

# Course Outline

## Day 1

### **The Function of Supply Chain Management and Logistics in Contemporary Businesses**

- Analyse the role of logistics in the present business procedure.
- The Development of Supply Chain Dynamics and Management
- Utilising a Supply Chain Methodology
- The Supply Chain Operations Reference Model: How to Use and Apply It (SCOR)
- Recognising Risks and Instabilities in the Supply Chain
- Risks in the Internal Supply Chain
- PESTLE Dangers
- Inventory Dangers
- Risks of Disruption
- Risks to Security
- Risks Associated with Procurement

## Day 2

### **Connecting Procurement Improvements in Cost and Productivity with Strategies**

- Constructing a Spend Analysis to Determine the Purchase Prices Index
- Analyse the Ownership Total Cost
- Use Porter's Five Forces and Kraljic's Matric to analyse supplier portfolio and classification.
- Create, Arrange, and Manage Strategic Procurement Plans
- Show How Lead Time and Effective Order Cycle Affect Purchasing
- Arrange and Prepare for Talks

## Day 3

### **Materials Management: Strategic Provisioning**

- Create, schedule, and arrange formal processes for selecting stocks.
- Order points and safety stock levels are explained, discussed, and reviewed.
- Utilise Material Forecasting to Implement and Enhance Min/Max Systems and Settings
- Materials Cataloguing for an Efficient Purchasing Process
- Creating Bills of Material for Efficient Parts Administration

## Day 4

### Planning and Controlling Inventory Effectively

- Establishing Extensive Inventory Objectives and Goals
- Implementing a Rationalisation Approach
- Economic Order Quantity Theory and Its Calculation and Evaluation
- Using Pareto Analysis to Create a Strategic Focus on Cost-Improving Material Identification and Coding
- Establishing Best Practices for Material Physical Control
- Assessing Record Accuracy and Developing Better Cycle Counting Mechanisms

## Day 5

### Transportation Economics: Tactical and Operational Methods

- Apply to the Organisation the Role of Transportation in Logistics
- Determine and Acknowledge Strategic Crucial Decisions in Transportation Management
- Describe, Talk About, and Go Over the Different Types of Mode and Intermodal Systems
- Display and Explain the Liabilities and International Commercial Terms in Transportation
- Determine and Examine Transportation of Hazardous Materials