

# Supply Chain Management

## Introduction

This course explores what supply chains are; how they are developed; and gives participants a sense of their own supply chains and how they relate to them.

The course evaluates the importance of supply chain management in the way that modern supply chains operate and are managed, whether through teams, groups or individuals.

## Objectives

By the end of this course participants will be able to:

- Describe how the supply chain works
- Explain why a strong/efficient supply chain is beneficial
- Discuss the relationship between supply chain management and logistics
- List activities involved in logistics
- Explain important current trends in logistics and the organisation
- Discuss the aims and importance of logistics from a contemporary corporate perspective
- Explore manufacturing and delivery operations in supply chain
- Implement an action plan to improve their own supply chain management

## Content

A sample of what is covered includes:

### Building a Strategic Framework to Analyse Supply Chains

- Understanding the supply chain
- Supply chain performance: achieving strategic fit and scope
- Supply chain drivers and metrics

### Designing the Supply Chain Network

- Designing distribution networks
- Network design in the supply chain
- Designing global supply chain networks

### Planning and Coordinating Demand and Supply in a Supply Chain

- Demand forecasting in a supply chain
- Aggregate planning in a supply chain
- Sales and operations planning: planning supply and demand in a supply chain
- Coordination in a supply chain

### Planning and Managing Inventories in a Supply Chain

- Managing economies of scale in a supply chain: cycle inventory
- Managing uncertainty in a supply chain: safety inventory
- Determining the optimal level of product availability

Managing Cross-Functional Drivers in a Supply Chain

- Sourcing decisions in a supply chain
- Pricing and revenue management in a supply chain
- Sustainability and the supply chain

Action planning

- Planning to improve our supply chain management

