INTRODUCTION TO LOGISTICS

Program Overview

This unit is designed to introduce students to the concept of logistics in its widest sense and to some of the general practices that are important in every part of the logistics working environment. The Unit is made up of four elements that contain sufficient knowledge for students starting out on a logistics career, wherever they may be employed within a logistics context. In each of these sections the emphasis is placed on the principals involved. The programme aims to equip students with a solid foundation of knowledge on which they can build with experience.

Training Program Detail

Module 1: Understanding Logistics

- Understand the purpose and scope of logistics.
- Know the features of a supply chain.
- Know the features of different types of supply chain.
- Know what logistics activities are used by organisations.
- Understand the contribution of logistics to organisational objectives.
- Identify the logistical decision factors.
- Understand the principle of the total cost approach.
- Know the elements of a total cost model.
- Understand how trade-offs are used to produce optimal logistics solutions.

Module 2: People in the Logistics Working Environment

- Know the operational characteristics of organisations in the public, private and not-for-profit sectors.
- Understand the logistics roles and responsibilities of employees in the public, private and not-for-profit sectors.
- Understand the aims of staff training and staff development.
- Know the areas for which there is a requirement for statutory compliance training.
- Understand the benefits and problems of the training and development of logistics employees.
- Know the purpose of health and safety regulations relating to logistics operations.
• Understand the main health and safety issues in logistics operations.
• Know the legal responsibilities of logistics employers and employees relating to health and safety
• Understand the difference between ‘risk’ and ‘hazard’, for the purposes of risk assessment.

**Module 3: Sustainability and the Environment**

• Know the main requirements for a sustainable environment
• Understand the importance of sustainable logistics operations
• Understand the features of sustainable logistics practices.
• Know the main environmental and global challenges
• Understand the main areas in which change to sustainable practices is needed.
  Understand how good practice in the workplace can be developed into long-term initiatives

**Module 4: The Role of Communications Technology in Context**

• Know the respective characteristics of data, information and knowledge
• Know the main elements used in Information Communications Technology (ICT).
• Understand the reasons for using operating systems.
• Know the features of standard ICT applications used in logistics operations
• Know how ICT can be used in a logistics operation.
• Know the main e-Business applications
• Know the main legal responsibilities of organisations for data protection.
• Understand the problems of ensuring data security.
• Know the health and safety requirements relating to users of ICT.