



# **DIPLOMA ON LOGISTICS, MATERIALS & SUPPLY CHAIN MANAGEMENT (INCLUDING TRANSPORT)**

**THIS GREAT PROGRAM PROVIDES TUITION ON THE WIDE RANGE OF ACTIVITIES INVOLVED IN MODERN LOGISTICS, MATERIALS HANDLING AND SUPPLY CHAIN MANAGEMENT, INCLUDING: PHYSICAL DISTRIBUTION, MATERIALS MANAGEMENT, TRANSPORTATION, FACILITATING, CUSTOMER SERVICE, PROCUREMENT, ORDER PROCESSING, PURCHASING, WAREHOUSING, INVENTORY CONTROL, ORDER PICKING AND MARSHALLING, PACKING AND DESPATCH, LOGISTICS PROJECT MANAGEMENT,**





The Program focuses on planning, organizing and controlling Logistics, Materials & Supply Chain Management activities - key elements for successful management in any enterprise - and it covers strategic planning and decision-making as an important part of the management process. The Program is ideal for managers and personnel of all levels who are involved in logistics activities or in ensuring that products and services are made available to customers (or clients or intended recipients) at the time and place, and in the condition and form desired, in an efficient, profitable and cost-effective way. It also includes special and unique sections on Reverse Logistics, and on Humanitarian, Aid & Disaster Relief Logistics.



## **SUMMARY OF MAJOR TOPICS**

### **THE 12 MODULES OF THIS PROGRAM ARE:**

Module 1: Background to logistics and supply chains, value and value chains.

Module 2: Logistics, supply chain and customer service strategy.

Module 3: The marketing and logistics relationship and interface.

Module 4: Products and logistics factors.

Module 5: Sourcing and procurement, suppliers and purchasing.

Module 6: Receipts, inbound logistics, warehousing.

Module 7: Stock/inventory control, and order processing.

Module 8: Transportation methods, transport management.

Module 9: Operations management and production in supply chains.

Module 10: Lean logistics and supply chain management, and agile supply chains

Module 11: Distribution and distribution centres, and reverse logistics.

Module 12: Logistics and project management; humanitarian and disaster/emergency management.



## THE CONTENTS OF THE 12 MODULES INCLUDE:

- **Module One:** Background to logistics and supply chains. The beginnings of trade and the need for the movement of people and products. Important historical developments, and the development of infrastructure. Difference and associations of logistics and supply chains, supply partners and networks. Value and value chains. Glossary of terms used in logistics and supply chain management.
- **Module Two:** Strategy formulation. Understanding supply and demand. Business models. Corporate and business strategy. Value added functions of supply chains. Cost factors affecting supply chains, risk factors. Customer value and customer service strategy. Supply chain strategy; push and pull strategies. Developing logistics strategy. Economies of Scale. The business life cycle.
- **Module Three:** The marketing and logistics interface. Relevance of the 4Ps to marketing logistics. Importance of customer value. Order cycle time and stages. Measuring customer service. Consequences of stock outs, back orders, cancelled orders. Customer retention. Market drive supply chains, market segmentation. The Pareto Principle, the ABC classification of stock/inventory items.
- **Module Four:** Industrial and consumer products. Product life cycle; logistics strategies for each stage. Product characteristics: dimensions, weight, volume, values, associated risks; weight-bulk ratio, value-weight ratio, substitutability, risk characteristics. Product packing and packaging materials. Product pricing, policies, constraints and strategies. Incentive pricing, quantity discounts.



- **Module Five:** Sourcing and procurement objectives, supplies and suppliers, sourcing decisions. Supplier appraisal. Procurement and purchasing objectives for continuous operations, continuity of supply. Procurement strategies for manufacturing, distributive and service-providing organizations. Economic order quantity. Partnership sourcing. Documents used in procurement and purchasing.
- **Module Six:** Receiving service, sources of incoming consignments, documentation. Receiving procedures and routines, quality inspections. Storage and control of stock/inventory. Functions of warehouses, location, layout and design, floors, doors, lighting, security, gangways and aisles. Storage equipment, manual and mechanized materials handling. Economy of movement, palletization.
- **Module Seven:** Stock/inventory control, identification, prevention of fire, losses by theft, pilfering, fraud and damage. Common stock levels set. Issues of stock/inventory to users or customers, authorization, control and documentation. Order processing or fulfillment: order preparation, entry and processing. Manual and automated order picking and marshalling. Packing and dispatching service.
- **Module Eight:** Considerations in selecting modes of transportation: road, rail, water, air, pipelines; advantages and disadvantages of each mode. Own vehicle fleet operation. Duties of freight forwarders, why they are used. Unit loads and palletization. Containerization: advantages. Bulk freight and groupage. Freight handling. Intermodal transportation, piggy-back rail-truck.



- **Module Nine:** Role of operations management in supply chains. Product design and development. Components and benefits of products. Production strategies, levels, planning and control. Product range, mix, specialization and diversification. Methods of production: job, batch, flow. Inspections and quality control. Work study, motion study and work measurement. Quality assurance.
- **Module Ten:** Lean principles and lean thinking in logistics and supply chain management. The eight wastes, and methods of reducing them. Linear and parallel processing. Just-in-time and the kanban, pull demand driven supply systems. One and two tier suppliers. Agile supply chains. Supplier relationships, buyers and sellers markets. Partnership sourcing methodology.
- **Module Eleven:** Importance of facility location for trading, distributive, service-providing businesses. Distribution centres, locations and purposes. Factory and plant facility location, warehouse location. Reverse logistics: sales returns from customers. Defective products, product liability laws. Product recall. Reverse logistics in eCommerce. Avoiding losses and damages in transit. Insurance.
- **Module Twelve:** Project management, coordinating and managing tasks and activities, team-work. Types of projects, industrial, commercial and humanitarian. Primary project objectives, focus, scope, specifications. Quality/cost relationship. Emergency planning and disaster/emergency management. Communication and incident assessment, rapid action. Aftermath and reverse logistics.



## WHAT IS INCLUDED

### WHAT IS INCLUDED IN THE MODEST CIC FEE

Your CIC Fee includes:-

- Your enrolment/registration with Cambridge International College, and your own high-quality, professionally produced and illustrated comprehensive International CIC Study & Training Publications.
- A detailed, professional 'Study & Training Guide' with full instructions on how to study to achieve success and gain top results. The Guide includes detailed advice on how to answer Self-Assessment Tests, Training Tests and Examinations.
- Self-Assessment Tests and Recommended Answers for them, and a Progress Chart.
- Two Progress/Training Tests (which can be used as 'Past Papers/Questions') with an optional Tutorial Support Service.
- The Final Examination sat under Invigilation/Supervision in your own area - full details, guidance and explanation of how your Examination will be arranged and how Invigilation is conducted will be provided when you register. Note, CIC arranges Examinations in over a hundred countries worldwide for thousands of Members every year; it is a flexible, straightforward process and will be arranged when YOU are ready to write your Examination.
- The prestigious Cambridge International College Diploma on successful completion of your Study & Training and on passing the Final Examination.
- Your personal page on CIC's Member Services website with access to results, dispatch details, advice and guidance, and more: [www.cambridgeinternationalcollege.co.uk](http://www.cambridgeinternationalcollege.co.uk)
- Regular information and news including: Newsletters with details of special offers and new Programs and much more; and Competition Forms; by email and post.



***Everything needed for your Study & Training success is included in the CIC Fee.***

Additionally:

- Further Study and Training Advice, and Assistance is available before, during and after CIC Study & Training; Members may ask CIC's team of experienced Consultants for advice on further study and Programmes to improve career prospects and advancement.





## RELATED COURSES

- Materials Management Honors (Higher) Diploma 21 months (flexible)
- Materials & Logistics Administration Executive Business Administration (EBA) 3 years (flexible)
- Purchasing & Resourcing Management Diploma 12 months (flexible)
- Stores Management & Stock (Inventory) Control Diploma 12 months (flexible)
- International Business & Trade Diploma 12 months (flexible)

## STUDY & CAREER DEVELOPMENT

The course is ideal for all personnel - of all levels up to and including managers and executives - who are involved in any way with logistics, materials management, supply, or customer service. Whether you are already employed in this field, whether your aim is to gain promotion, or whether you are looking to enter this wide and important career area, this is a Program to increase the range of successful employment opportunities and successful careers which can be achieved. Furthermore, it allows access to such a wide range of careers which can be general, or which allows specialization in one or more of the many topics covered by this Program.

Further studies are available in these areas, in “sister” subjects such as Purchasing & Resourcing, and at higher and wider levels such as Baccalaureate and EBA, with CIC.