

The APICS CLTD Learning System is a comprehensive professional development and exam preparation program. It consists of nine reading modules and interactive, web-based study tools that reflect the APICS CLTD Exam Content Manual (ECM). This program provides a comprehensive body of knowledge and standards for those in the logistics, transportation, and distribution industries.



MODULE CONTENT

Module 1: Logistics Overview and Strategy

- Outlining the principles that make logistics useful, including economic drivers
- Understanding how logistics fits within supply chain management
- Managing logistics strategy, including the logistics value proposition
- Developing flexible logistics frameworks and collaborative relationships
- Exploring strategic-level risk management
- Using fundamental performance measurements and benchmarking
- Implementing reengineering and continuous improvement philosophies

Module 2: Logistics Network Design

- Implementing a logistics network design process
- Considering transportation requirements driving logistics network plans
- Using tools and analyses to select node patterns and links
- Adopting risk management
- Planning for network security and business continuity

Module 3: Sustainability and Reverse Logistics

- Understanding how logistics plays a key role in demonstrating organizational social responsibility
- Managing the triple bottom line, including carbon footprint reductions and green initiatives
- Selecting vendors based on sustainable practices
- Demonstrating responsibility when handling and managing hazardous and dangerous materials

Module 4: Capacity Planning and Demand Management

- Understanding the basics of forecasting including various types of forecasts
- Shaping demand for logistics services
- Translating demand information into planning for transportation and warehousing capacity
- Providing input during S&OP and participating in collaborative planning, forecasting, and replenishment
- Planning for distribution requirements
- Managing supply, including ERP master scheduling

- Developing a process and selecting a purchasing strategy

Module 5: Order Management

- Performing customer relationship management during order management activities
- Implementing CRM to strengthen relationships
- Meeting customer needs
- Achieving service levels according to customer demand
- Managing the process steps and logistics decision points of inbound, intracompany, and outbound order management

Module 6: Inventory Management

- Understanding inventory management, planning, and control
- Contrasting stakeholder expectations for inventory management
- Summarizing the different functions or purposes inventory serves in a business
- Illustrating the major types of inventory costs
- Differentiating approaches to safety stock and determinations of when to order
- Performing calculations related to standard deviation, economic order quantity, and reorder points
- Describing lean, just-in-time, ABC, vendor-managed inventory, and other alternative approaches
- Listing common performance metrics

Module 7: Warehouse Management

- Understanding warehousing strategies and determining which to use
- Considering physical aspects and tactics related to warehousing design
- Exploring warehousing challenges and trends
- Summarizing warehouse ownership types and functions
- Determining warehouse operations performance measures
- Diving deep into warehouse processes, layouts, materials handling, systems and automation, and packaging

Module 8: Transportation

- Outlining transportation fundamentals including cost structure, stakeholders, capabilities, carrier types, mode classifications, and selection considerations
- Diving deep into the modes of transportation including road, rail, air, water, pipeline, intermodal, and parcel/courier
- Managing transportation according to guiding principles
- Considering tradeoffs when designing transportation networks, selecting carriers and modes, and planning routes and schedules

Module 9: Global Logistics Considerations

- Examining current factors in the global logistics space
- Staying competitive while balancing cost and level of service
- Exploring the history of international trade theories and infrastructure
- Discussing global logistics performance indicators and trade specialists
- Complying with international trade regulations
- Preparing customs documentation
- Discussing finance, payment options, terms of sale, payment methods, currency issues, trade zones, and hedging