

# Fall 2024 *Logistics as a Life Cycle Discipline* Course

SOLE - The International Society of Logistics  
Gulf Coast Chapter  
District 5, Chapter 8  
Pascagoula, MS 39581  
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**Scope of Course:** The purpose of this course is to give the student an overview of logistics as applied to a system's/product's life cycle. The course will also guide those preparing to sit for the Certified Master Logistician (CML) examinations administered by SOLE - The International Society of Logistics. ***Completion of the course neither implies nor guarantees successful attainment of the CML or Certified Professional Logistician (CPL) certification.***

**Course Administrator:** Mike Salvetti, DML

**Course Instructors:** TBD

**Course Location –On-Line @ 5:30 PM until 7:30 PM (Central Time)**

**Course Dates: Thursdays, starting July 11<sup>th</sup> and ending October 24<sup>th</sup>**

**Fees: \$125.00 + book costs**

## **Recommended Reference Texts:**

1. Coyle, Bardi, and Langley, *The Management of Business Logistics: A Supply Chain Perspective (7th Ed)*, Minneapolis/St. Paul, West Publishing Company, (ISBN: 032007515)
2. Lambert, Douglas M., Stock, James R., Ellram, Lisa M. *Fundamentals of Logistics Management*, McGraw-Hill Education – (ISBN: 0256141177)
3. Stock, James R., Lambert, Douglas M. *Strategic Logistics Management (4<sup>th</sup> Edition)*, McGraw Hill/Irwin (ISBN: 0256136874)
4. Bowersox, Donald J., Closs, David J., Cooper, M. Bixby, *Supply Chain Logistics Management (1<sup>st</sup> Edition)*, McGraw Hill/Irwin (ISBN: 0072351004)

## **Additional references for all parts of the exam:**

There are a number of journals where logistics articles are published that provide a state-of-the-art perspective on logistics topics. While a listing of the specific articles is enormous, the journals that would include items are:

### **Academic/Professional Journals**

*Journal of Business Logistics*

*International Journal of Physical Distribution and Logistics Management*

*The International Journal of Logistics Management*

*Transportation Journal*

*Logistics and Transportation Review*

*Harvard Business Review*

*Sloan Management Review*

*Business Horizons*

### **Trade Journals**

*Logistics Management*

*Distribution Management*

*Handling & Shipping Management*

*Modern Materials Handling*

### **Proceedings of Conferences**

Council of Supply Chain Management Professionals (annual conferences)

SOLE Annual International Logistics Symposium and Exposition (annual conferences)

There are a number of books that deal with specific logistics topics, which might also be helpful. Again, the list is lengthy, but the topics include customer service, supply chain management, quality, re-engineering, JIT, EDI, reverse logistics, etc.

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Examples of organizations that publish a number of research reports and books that deal with a variety of logistics topics include:

- Council of Supply Chain Management Professionals (CSCMP)
- Warehousing Education and Research Council (WERC)
- APICS – The Association for Operations Management
- American Society of Transportation & Logistics (AST&L)

## Examination Content Overview

### **Part One – Supply Chain Management (SCM) and its Functional Areas** *(Concepts of systems and logistics)*

- Logistics systems and interfaces
- Life Cycle process and costing
- System evaluation factors
- Financial management including Present/Future Value and Depreciation
- Life cycle costing
- Accounting (ROA, ROI, Balance Sheet, Income Statement)
- Management information systems
- Logistics planning and management
- Proposals, source selection and contract negotiations
- Organization for logistics, staffing, directing, and controlling
- Program management
- Logistic Programs including MRP, MRPII, DRP

### **Part Two – Distribution, Customer Support, & Performance Measurement** *(Physical supply and distribution)*

- Managing inventory flows in the Supply Chain
- Inventory decision making
- Managing role of distribution
- Material management, packaging, transportation, warehousing and handling
- Maintenance and field engineering
- Quality assurance
- Technical publications
- Training and education
- Systems and equipment phase-out
- Purchasing and procurement
- Reverse logistics
- Demand management and customer service
- Supply Chain Performance Management
- Supply Chain Finance
- Strategic alliances and partnerships
- Outsourcing
- Logistics organizations and human resources

### **Part Three – Case Study Application of Parts One and Two**

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## Course Schedule

July 11<sup>th</sup> – October 24<sup>th</sup>, 2024

Date	Topic	Instructor
<b>Part I: SCM Management and Its Functional Areas</b>		
WK 1 July 11 <sup>th</sup>	Supply Chain Management, Dimensions of Logistics	Salvetti
WK 2 July 18 <sup>th</sup>	Present Value, Future Value, Depreciation Life Cycle Costing Supply Chain Finance	Salvetti
WK 3 July 25 <sup>th</sup>	Design Concepts, Detail Design, Design Solutions, Negotiations	Salvetti
WK 4 August 1 <sup>st</sup>	Managing Inventory Flows in the Supply Chain ( <i>Case Study 1</i> )	Salvetti
WK 5 August 8 <sup>th</sup>	Inventory Decision Making, EOQ Model/Problems	Salvetti
WK 6 August 15 <sup>th</sup>	Warehousing Decisions	Salvetti

**CML/CPL APPLICATIONS DUE TO SOLE HQ NLT COB 1 September 2024**

<b>Part II: Supply &amp; Distribution, Customer Support, &amp; Performance Measurement</b>		
WK 7 August 22 <sup>nd</sup>	The Transportation System ( <i>Case Study 2</i> )	Salvetti
WK 8 August 29 <sup>th</sup>	Transportation Management	Salvetti
WK 9 September 5 <sup>th</sup>	Global Logistics	Salvetti
WK 10 September 12 <sup>th</sup>	Demand Management and Customer Service	Salvetti
WK 11 September 19 <sup>th</sup>	Procurement and Supply Management ( <i>Case Study 3</i> )	Salvetti
WK 12 September 26 <sup>th</sup>	Logistics Relationships and Third-Party Logistics	Salvetti
WK 13 October 3 <sup>rd</sup>	Logistics and Supply Chain Information Systems: MRP, DRP and ERP ( <i>Case Study 4</i> )	Salvetti
WK 14 October 10 <sup>th</sup>	Network Design and Facility Location	Salvetti
WK 15 October 17 <sup>th</sup>	SCM Performance Measurement, Pert Charts & Metrics	Salvetti
WK 16 October 24 <sup>th</sup>	<b>Instructor Available for Individual Questions/Course Topics</b>	

***CML #37 (CPL #113) Examination Date: Saturday, 2 November 2024***