

# WAREHOUSING MANAGEMENT

## OBJECTIVES:

1. To describe the changing role of Warehousing and the key influences impacting Warehousing as part of the total supply-chain process.
2. To describe the specific functional elements involving cycle time, velocity, and turn-over, in order to achieve warehousing operational effectiveness in both cost and service.
3. To develop the knowledge required for the design and layout of contemporary, customer-focused warehousing facilities as part of a total logistics network.
4. To describe the value-added roles of Material Handling systems, information systems, bar-coding, racking, labeling, and cross-docking, to achieve maximum effectiveness in Customer Service and cost.
5. To explain the justification and rationale for decisions impacting Private vs. Public Warehousing, both operationally and financially.
6. To describe, through 12 Case Studies, the critical aspects of Safety, employee relations, Inventory, OSHA Regulations, Government audits, documentation and security.

**LEARNING OUTCOME:** Upon successful completion of this course, the student will be able to differentiate between productivity and performance, identify the elements related to space utilization; develop locations for new warehouses using critical elements in the process; and understand the emerging processes impacting Just-In-Time, and 3rd Party Logistics. This course is based on the most relevant operational and educational knowledge available today, based on the authorship of Ken Ackerman, a noted leader in the Warehousing Industry for over 3 decades, as well as a Study Guide prepared by ILM Faculty member, Professor Leon (Bud) Cohan. Students who complete this course, will benefit in their jobs and careers from the pragmatic and "real world" application of this knowledge, particularly the 12 operationally-based Case Studies.

**INSTRUCTION:** This course is designed to familiarize the student with the role of the warehousing function in the economy and its relationship to the logistics process. Details are provided on warehousing operations; inventory control; layout; materials handling equipment; packaging; labor and productivity; cost controls; and private vs. public warehousing, including workshop case studies

<u>Topic</u>	<u>Hours</u>
Understanding Today's Warehouse	15*
Warehouse Control	15*
Warehouse Management	15*
Security	15*
Material Handling	15*
Information Systems	15*
Starting a New Warehouse Operation	20*

OSHA Rules for Training Lift Truck Operators	15*
Final Exam	5*
Total Hours	130*

Estimated maximum hours (130 total hours) for assignments. Hours vary depending on experience and reading levels. The majority of students complete the assignments in less time than allocated.

Textbook: Warehousing Profitably, A Manager's Guide, by Ken Ackerman, along with an accompanying Student Manual and related Case Studies by Leon (Bud) Cohan, including OSHA (Occupational Safety and Health Administration) Rules for Training Lift Truck Operators.

*\*Estimated Hours*