

# LOG207 Warehousing and Material Handling

**Level:** 2

**Credit Units:** 5 Credit Units

**Language:** ENGLISH

**Presentation Pattern:** EVERY JAN

## **Synopsis:**

Warehouses and fulfilment centres play an important role to support businesses on a global scale and ensure that customer expectations are met. Warehousing facilitates product accumulation, consolidation and customisation, improves logistics accuracy and minimises the effects of supply chain inefficiencies. This course provides the students with an understanding of the concepts and applications for managing warehouse operations in the era of the digital economy. Through this exposure, students will gain insights into how warehousing adds value to the organisation's supply chain and how warehousing decisions can increase efficiency and reduce costs.

## **Topics:**

- Role of Warehousing in the Supply Chain
- Warehouse Administration and Processes
- Receiving and Putaway
- Order Picking and Other Processes
- Warehouse Management Systems
- Innovations in Warehousing
- Warehouse Layout Design
- Storage and Handling Equipment
- Pricing for Warehousing
- Warehouse Performance Management
- Workplace Safety and Health
- The Warehouse of the Future

## **Textbooks:**

Frazelle, E.H.: World-Class Warehousing and Material Handling 2 MCGRAW  
ISBN-13: 9780071842839-AA

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**Learning Outcome:**

- Explain the importance of warehousing in the supply chain as well as related warehousing tasks and processes.
- Discuss relevant costing models and key performance indicators for warehouse performance management.
- Develop effective policies and procedures to manage workplace safety and health.
- Apply the processes for efficient and effective warehouse operations.
- Review the innovations that enable efficiencies in warehouse operations.
- Examine the design, storage and handling considerations for optimising warehouse operations.

**Assessment Strategies:**

<b>Continuous Assessment Component</b>	<b>Weightage (%)</b>
PRE-COURSE QUIZ	2
PRE-CLASS QUIZ	2
PRE-CLASS QUIZ	2
GROUP BASED ASSIGNMENT	20
PARTICIPATION	6
TUTOR-MARKED ASSIGNMENT	18
<b>Sub-Total</b>	<b>50</b>

<b>Examinable Component</b>	<b>Weightage (%)</b>
Written Exam	50
<b>Sub-Total</b>	<b>50</b>

**Weightage Total** **100**