



### **Course Description**

#### **TRA4234 | Warehouse Management | 3.00 credits**

Students will learn warehousing functions, facility operations, and operational productivity improvements and measurements with the inclusion of concepts from marketing, finance, statistics, operations management, and human resources. The course presents an integrated business approach to the detailed operational aspects of logistics facilities such as warehouses and distribution centers. The course will use real-world warehouse data to design the layout and operations requirements for a local warehousing facility and to identify the operational equipment used in warehousing. Prerequisites: MAN2021, 3065, QMB2100, and 2100L.

### **Course Competencies:**

**Competency 1:** The student will explain the significant operational processes used in warehouse operations by:

1. Evaluating and describing proper and safe warehouse operations and techniques
2. Evaluating the changing role of warehouse operations within the supply chain
3. Comparing operational warehouse processes using terminology, concepts, and methods of warehouse management/operations

**Competency 2:** The student will describe the relationships between warehousing, inventories, and supply chain planning by:

1. Comparing systems to track and control inventory
2. Illustrating the proper receiving, shipping, and storage of inventory
3. Critiquing the operational equipment and technology used in warehousing

**Competency 3:** The student will evaluate the warehouse operational performance of an organization and recommend improvements by:

1. Explaining the cost-benefit analysis of various warehouse functions
2. Defending how effective warehousing techniques can provide superior customer service and a competitive advantage
3. Categorizing warehouse layouts and defending how they may optimize warehouse functions

### **Learning Outcomes:**

- Use quantitative analytical skills to evaluate and process numerical data
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information