



Course Description

TRA2156 | Operations Management for Transportation | 3.00 credits

This course includes the skills necessary for a supervisory role in logistics. Students will learn the roles and responsibilities in managing different types of transportation operations. Topics include human resources, design and management of production operations, productivity, capacity planning, resource management, just-in-time systems, hazardous materials management, planning, and project management. Prerequisite: MAN2021.

Course Competencies:

Competency 1: The student will demonstrate knowledge of operations management for transportation by:

1. Defining the relationship between operations and other business functions
2. Identifying the general managerial and labor management functions and skills
3. Describing transportation operations from the customer service point of view
4. Describing essential planning and project management skills

Competency 2: The student will demonstrate the use of terminology by:

1. Defining just-in-time systems
2. Defining design and management of production operation in terms of transportation
3. Defining design and management of productivity in terms of transportation
4. Defining resource management in terms of transportation
5. Defining hazardous materials demonstrates management in terms of transportation.

Competency 3: The student will understand concepts and methods of operations management by:

1. Describing principles of resource management, including just-in-time systems
2. Demonstrating essential planning and project management skills
3. Describing technology's influence on operational performance

Learning Outcomes:

- Formulate strategies to locate, evaluate, and apply information