



Course Description

TRA1430 | Introduction to Port Freight Operations | 3.00 credits

This is an introductory course in Port Freight Operations. Students will learn how Seaports and Inland Ports are organized and operate, how freight is moved domestically and internationally, including the integration of port operations with other modes of transportation. Topics include break-bulk handling during loading, discharging, in-transit carriage, on-dock rail, harbor drayage, equipment and cargo management, and an overview of hazardous materials shipments and security. Co-requisites: TRA1410, 1420.

Course Competencies:

Competency 1: The student will demonstrate knowledge of the different components of Port freight operations by:

1. Explaining the different types of ports, including seaports, waterway ports, and inland ports
2. Explaining the types of organizational structures
3. Describing the terminology and acronyms used in port operations

Competency 2: The student will demonstrate knowledge of regulatory agencies responsible for port operations by:

1. Identifying all the regulatory agencies involved in import freight operations
2. Defining the various terms used in-port cargo operations
3. Identifying the types of hazardous materials transported and rules governing this type of shipment
4. Describing processes for perishable goods

Competency 3: The student will demonstrate knowledge of transportation documentation (domestic, international, and customs) by:

1. Identifying essential documents used in freight forwarding and customs brokering
2. Preparing an airway bill
3. Demonstrating knowledge of letters of credit
4. Identifying components of a bill of lading

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information