Miami Dade College

Course Description
TRA1420 | Introduction to Trucking Operations | 3.00 Credits
This is an introductory course in Trucking Operations and the movement of goods via highways and roadways. Students will learn U.S. Department of Transportation requirements, documents for shipping, vehicle and shipment tracking, scheduling, management of human resources and equipment, just-in-time implications and integration with other transportation modes. Hazardous materials shipments and security issues will be discussed. Co-requisites: TRA1410, 1430**.**

Course Competencies:
Competency 1: The student will define terms and vocabularies used in the trucking industry by:
1. Identifying the various governmental regulatory agencies by their names and acronyms
2. Describing truck types
3. Demonstrating the ability to read, write, and conduct a conversation using commonly-used terms in the trucking industry

Competency 2: The student will describe the role of the federal government and its various agencies in the trucking industry by:
1. Explaining the role of the government in regulating safety, operations, and interstate commerce
2. Describing the limitations on types and sizes of cargo in the trucking industry
3. Describing the types of hazardous materials moved by truck and the rules governing this type of shipment
4. Describing the process of moving perishable goods

Competency 3: The student will demonstrate an understanding of the interrelationship of trucking with the other modes of shipping (Piggyback, Fishyback, and Birdieback) by:
1. Demonstrating knowledge of containerized freight, including Less than truckload (LTL) and Full Truck Load (FTL)
2. Identifying the best combination of intermodal transport for given types of freight
3. Identifying the best combination of intermodal transport for speed, safety, and cost

Learning Outcomes:
• Formulate strategies to locate, evaluate, and apply information.
• Communicate effectively using listening, speaking, reading, and writing skills.