TADT 3860: Logistics in Supply Chain

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 0
Lab Hours/Week: 0
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

This course provides an overview of all modes of transportation and their institutional and operational environments. The organizational logistics function and the relationship to the distribution channels is also emphasized. The legal issues and concepts germane to the Transportation and Logistics field, including contracts, liability, insurance requirements, environmental and security regulatory compliance.

Prerequisite(s): TADT 3700.

B. COURSE EFFECTIVE DATES: 07/31/2023 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. The Role of Logistics in Supply Chain
2. Demand Management
3. Distribution Planning and Strategy
4. Modes of Transportation - Motor carriers, Railroads, Airlines, Water carriers and pipelines
5. Global Transportation Management
6. Transportation Risk Management
7. Governmental Roles in Transportation
8. Customer Relationship Management

D. LEARNING OUTCOMES (General)

1. evaluate the important dimensions of logistics technology in support of global supply chain challenges.
2. apply demand technology tools to optimize procurement and manufacture of goods.
3. manage distribution operations that underscore plant performance, customer service and cost optimization.
4. examine the key features and issues of the five basic modes of transportation, namely, motor, rail, airline, water and pipeline.
5. assess strategies, methods, and outcomes for transportation risk management.
6. identify the role of government policy, regulation, and promotion in fostering a strong transportation network.
7. examine effective ways of managing the customer relationship to ensure an effective supply of materials required for product development.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None
F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted