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 students with an understanding of the role of information and information technology (IT) in a supply chain. Topics covered include Supply chain visibility, Coordinated logistics applications, Inventory management systems, Bar coding / RFID, Data analytics, MRP/ERP, Cloud computing, Data security and Block chain for supply chain. Prerequisite(s): TADT 3700.

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

C. OUTLINE OF MAJOR CONTENT AREAS

1. Role of Information in the Supply Chain
2. Supply Chain Visibility
3. Inventory and Asset Tracking Applications
4. Coordinated Logistics Applications
5. Data Analytics for the Supply Chain
6. Cloud Computing
7. Enterprise Database Systems
8. Knowledge Management
9. Network and Data Security
10. Block Chain for the Supply Chain

D. LEARNING OUTCOMES (General)

1. evaluate the role of IT solutions in addressing key challenges of Supply Chain Technology.
2. apply inventory tracking and integrated system concepts into operations or processes to increase supply chain visibility.
3. manage the systems and applications to coordinate and streamline logistics operations.
4. examine data analytics and cloud computing technologies to improve supply chain performance.
5. analyze enterprise database and knowledge management solutions to support business and logistics requirements.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus
G. SPECIAL INFORMATION

None noted