**TADT 4727: Procurement and Inventory Control**

**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 focuses on global aspects of supply chain technology with primary emphasis on procurement and inventory management. Specific issues include supplier evaluation and selection, benefits and risks in outsourcing, contracts and legal terms, negotiation, purchasing ethics, inventory cost components, types and uses of inventory, planning inventory levels, maintaining inventory accuracy, and inventory replenishment policies, metrics and roles associated with inventory management. Prerequisite(s): TADT 3700.

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

**C. OUTLINE OF MAJOR CONTENT AREAS**

1. Purchasing Policy and Procedures  
2. Supplier Evaluation and Selection  
3. Purchasing and Supply Chain Analysis: Tools and Techniques  
4. Negotiation and Conflict Management  
5. Contract Management  
6. Purchasing Law and Ethics  
7. Fundamentals of Inventory Management  
8. Purpose and functions of Inventory Management  
9. Inventory replenishment techniques  
10. Managing Uncertainty in a Supply Chain: Safety Inventory

**D. LEARNING OUTCOMES (General)**

1. analyze the purchasing process and outline supplier-related issues, such as evaluation, selection, and management.  
2. interpret factors that must be considered, such as costs, negotiation, or risks, when making sourcing and supplier management decisions.  
3. assess the ethical, contractual, risk management, sustainability, and legal issues faced by purchasing and supply chain professionals.  
4. evaluate the functions and costs of an inventory system.  
5. optimize inventory levels and build an inventory management plan.  
6. manage uncertainty in supply chain with safety stock.

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

None
F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted