

## Course Outline

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Management, Information and Supply Chain  
School of Business & Economics  
SCMN 4390 - **3.00** - Academic

Selected Topics in Supply Chain Management

## Rationale

Update Curricunet to reflect standard course outlines established by the School.

## Calendar Description

Students examine a selection of contemporary issues in supply chain management. Topics include strategic supply chain management; global supply chains; sustainable supply chains; service supply chains; supply chain resilience; reverse supply chains; quality in supply chain management; modern manufacturing methods; product design and encouraging technical innovation; process reengineering and competitive benchmarking; and supply chain optimization.

## Credits/Hours

**Course Has Variable Hours:** No

**Credits:** 3.00

**Lecture Hours:** 3.00

**Seminar Hours:** 0

**Lab Hours:** 0

**Other Hours:** 0

*Clarify:*

**Total Hours:** 3.00

**Delivery Methods:** (Face to Face)

**Impact on Courses/Programs/Departments:** No change

**Repeat Types:** A - Once for credit (default)

**Grading Methods:** (S - Academic, Career Tech, UPrep)

## Educational Objectives/Outcomes

1. Identify the role of supply chain management in corporate strategy.
2. Appraise the global nature of operations in providing products.
3. Propose approaches to minimize the carbon footprint of supply chains.
4. Summarize the unique features of supply chains in the service sector.
5. Develop strategies to manage risk and uncertainty in supply chains.
6. Describe the basic principles of reverse supply chains.
7. Explain modern manufacturing methodologies.
8. Discuss product design techniques and methods to encourage technical innovation.

9. Apply process reengineering and competitive benching to improve supply chain efficiency.
10. Design strategies to minimize rework and wastage in supply chains.

## **Prerequisites**

SCMN 3330-Procurement Management  
SCMN 4310-Operations Management  
SCMN 4310-Operations Management  
SCMN 4320-Logistics and Transportation

## **Co-Requisites**

## **Recommended Requisites**

## **Exclusion Requisites**

BBUS 4390-Select Topic Supply Chain Mngt

## **Texts/Materials**

### **Other**

1. **Required** • Selected Readings

## **Student Evaluation**

The Course grade is based on the following course evaluations.

Midterm (30.00%) Assignments/cases (30.00%) Final exam (40.00%)

## **Course Topics**

1. Strategic Supply Chain Management
  - Role of supply chain in corporate strategy
  - Supply chain strategy as a competitive tool
  - Framework for developing supply chain strategy
  - Synergy of supply chain strategy with other functional strategies
2. Global Supply Chains
  - Global nature of supply chains
  - Global sourcing & global markets
  - International trade agreements
3. Sustainable Supply Chains
  - Business sustainability of supply chains
  - Environment sustainability of supply chains
    - Green supply chains
    - Carbon foot print of supply chains
    - Green sourcing, green manufacturing & green distribution
4. Service supply chains

- Petroleum supply chains
  - Grocery supply chains
  - Pharmaceutical supply chains
  - Consumer and sports goods supply chains
  - Other service industry supply chains
5. Supply Chain Resilience
    - Defining supply chains resiliency
    - Managing uncertainty in supply chains
    - Managing risks in supply chains
  6. Reverse Supply Chains
    - Closed loop supply chains
    - Product recovery
    - Managing product return
    - Re-use, re-furbish, re-manufacture
  7. Quality in Supply Chain Management
    - Wastes and slacks in supply chains
    - Managing slacks through quality management
    - Continuous improvement
    - Product packaging
  8. Modern Manufacturing Methods
    - World-class manufacturing
    - Flexible manufacturing
    - Cellular manufacturing
    - Computer aided and computer integrated manufacturing
  9. Product Design and Encouraging Technical Innovation
  10. Process Reengineering and Competitive Benchmarking
  11. Supply Chains Optimization

## **Methods for Prior Learning Assessment and Recognition**

As per TRU Policy

### **Last Action Taken**

Implement by Submission Preview Subcommittee Chair Peggy McKimmon

Current Date: 25-Jan-21