

Course Outline

Department of Management
School of Business and Economics

BBUS 4390-3
Selected Topics in Supply Chain Management (3,0,0)

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.

Educational Objectives/Outcomes

Upon completion of this course, students will:

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; SCMN 4310; SCMN 4320

Co-requisites

Texts/Materials

Selected Readings

Student Evaluation

Midterm	30%
Assignments/cases	30%
Final exam	40%

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.

Attendance Requirements – Include if different from TRU Policy

As per TRU policy.

Special Course Activities – Optional

Use of Technology – Optional