COURSE OUTLINE: SCM104 - LOG OPER METH & SYS

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Course Code: Title	SCM104: LOGISTICS OPERATING METHODS AND SYSTEMS
Program Number: Name	2180: SUPPLY CHAIN MANAGEM
Department:	BUSINESS/ACCOUNTING PROGRAMS
Academic Year:	2024-2025
Course Description:	This course evaluates the role of efficient logistics and transportation services, and the impact on corporate effectiveness. Topics include: risk management, security, customer service and order fulfillment, distribution operations, purchasing or operation of transportation services, third-party providers and custom documentation.
Total Credits:	3
Hours/Week:	3
Total Hours:	42
Prerequisites:	There are no pre-requisites for this course.
Corequisites:	There are no co-requisites for this course.
Vocational Learning Outcomes (VLO's) addressed in this course: **Please refer to program web page for a complete listing of program outcomes where applicable.**	**2180 - SUPPLY CHAIN MANAGEM** VLO 2 Determine the value added and financial implications of supply chain decisions and design on overall business profitability, efficiency and stakeholder satisfaction. VLO 3 Ensure supply chain activities and transactions are compliant with relevant legal, regulatory and contractual obligations, and industry and organization standards and policies for quality, health, safety, accountability, social and environmental responsibility. VLO 4 Use risk mitigation tools and strategies to inform supply chain management decisions. VLO 5 Contribute to the acquisition and sale of goods, services and materials in accordance with best practices and public and private sector stakeholder expectations across a variety of industries. VLO 6 Contribute to the strategic planning and scheduling of material requirements, resource allocation and inventory for efficient production and fulfillment of customer orders and returns. VLO 7 Coordinate the efficient handling and movement of goods, services, materials and related information within and between supply chains.
Essential Employability Skills (EES) addressed in this course:	EES 4 Apply a systematic approach to solve problems. EES 6 Locate, select, organize, and document information using appropriate technology and information systems. EES 7 Analyze, evaluate, and apply relevant information from a variety of sources.
Course Evaluation:	Passing Grade: 50%, D

	A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.
Other Course Evaluation & Assessment Requirements:	Learning Activities: Lectures, required readings, seminars, case studies, papers, class discussion and problem-solving, podcasts, videos, content expert presentations Assignments: All assignments are due on the applicable date at the beginning of class. Assignments are to be submitted via the Learning Management System (LMS). Late Assignments: Late assignments will not be accepted. There are no make-up (additional) assignments and submission deadlines are adhered to in this course. If you have extenuating circumstances, please advise the Professor. Missed Tests / Exams: There are no make-up (additional) opportunities for exams or missed tests / quizzes. If you have extenuating circumstances, please advise the Professor.
Books and Required Resources:	Transportation: A Global Supply Chain Perspective by Novack, Gibson, Suzuki and Coyle Publisher: Cengage Learning Edition: 10th ISBN: 9780357908549 or 9780357908600 Etext

Course Outcomes and Learning Objectives:

Course Outcome 1	**Learning Objectives for Course Outcome 1**
Explore the role of efficient logistics and transportation services and the impact on corporate effectiveness.	1.1 Review how transportation affects supply chain management, the price of goods, services and markets. 1.2 Explain transportation information requirements and understand the capabilities of transportation software. 1.3 Articulate the benefits of transportation management systems.
Course Outcome 2	**Learning Objectives for Course Outcome 2**
Ability to calculate the cost of various freight options and compare financial impact and price accordingly.	2.1 Assess the relationship between a rate and price. 2.2 Argue the various types of market structures found in the transportation industry. Understand the different forms of rates used. 2.3 Examine the impact of transportation prices on the relevant market area for a product. 2.4 Calculate the costs of both truckload and less-than-truckload freight moves.
Course Outcome 3	**Learning Objectives for Course Outcome 3**
Review and mitigate risks involved in logistics.	3.1 Detect the nature of transportation risk and disruptions. 3.2 Reflect the process for managing transportation risk and validate techniques for managing transportation risk.
Course Outcome 4	**Learning Objectives for Course Outcome 4**
Validate the various freight options, terms involved, and flow of goods and paperwork.	4.1 Explore the service characteristics of motor carriers. Determine the impact of fuel and labour on the motor carrier cost structure. 4.2 Argue the relevance of intermodal and intramodal competition in the railroad industry. 4.3 Review the major types of commodities hauled by the

	railroads and categorize the nature of costs and how they impact pricing in the railroad industry. 4.3 Analyze the operating and service characteristics of airline transportation, and appreciate the impacts of fuel and labour costs on airlines cost structures. Understand the concepts of economies of scale and density in the airline industry. 4.4 Detect the various types of water carriers and their roles in the overall water carrier system. 4.5 Illustrate the concept of third party logistics and its role in the movement of goods. Summarize the process for outsourcing transportation and logistics activities. 4.6 Explain the relationship between international trade and global transportation. 4.7 Assess the unique capabilities of ocean, air, and intermodal transportation in moving freight internationally. 4.8 Explore the need for accurate global freight documentation and visibility tools and articulate the customs clearance process for imports.

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight
Assignments	20%
Mid-term and Final Exam	30%
Participation	10%
Quizzes	40%

Date: June 14, 2024

Addendum: Please refer to the course outline addendum on the Learning Management System for further information.