



COURSE OUTLINE: SCM203 - ADV LOG & TRANS MGMT

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Approved: Sherri Smith, Chair, Natural Environment, Business, Design and Culinary

Course Code: Title	SCM203: ADVANCED LOGISTICS & TRANSPORTATION MGMT
Program Number: Name	2180: SUPPLY CHAIN MANAGEM
Department:	BUSINESS/ACCOUNTING PROGRAMS
Academic Year:	2023-2024
Course Description:	This course provides an advanced analysis of logistics and transportation services, customer service, distribution operations, purchasing, order processing, facility design and operations, carrier selection, transportation costing, and negotiation.
Total Credits:	4
Hours/Week:	4
Total Hours:	56
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:	2180 - SUPPLY CHAIN MANAGEM
Please refer to program web page for a complete listing of program outcomes where applicable.	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.
	VLO 8 Contribute to the identification and management of continuous improvements to functions and processes within and between supply chains.
Essential Employability Skills (EES) addressed in this course:	EES 4 Apply a systematic approach to solve problems. EES 5 Use a variety of thinking skills to anticipate and solve problems. EES 7 Analyze, evaluate, and apply relevant information from a variety of sources. EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.
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:

Supply Chain Management: A Logistics Perspective by Langley/Novack/Gibson/Coyle
 Publisher: Cengage Learning Edition: 11
 ISBN: 9780357442135
 or 9780357132302 Etext

Course Outcomes and Learning Objectives:

Course Outcome 1	Learning Objectives for Course Outcome 1
Analyze logistics systems from several different perspectives to meet different objectives.	1.1 Understand the relationship between logistics and other important functional areas in an organization. 1.2 Able to determine the total costs and understand the cost tradeoffs in a logistics system. 1.3 Utilize different modelling approaches to gain insight into supply chain network design and facility location. 1.4 Understand the role of omni-channel supply chain strategies and their impact on structure.
Course Outcome 2	Learning Objectives for Course Outcome 2
Gain ability to span boundaries between logistics, operations, and the sales process.	2.1 Understand the tradeoffs and challenges involved in production operations and the impact of logistics on these challenges. 2.2 Understand the critical importance of outbound-to-customer logistics systems. 2.3 Explain the key steps in the order fulfillment process, and the channels that could be used. 2.4 Analyze the strategies around distribution planning, network design and facility considerations. 2.5 Describe the important elements of distribution execution, support and metrics.
Course Outcome 3	Learning Objectives for Course Outcome 3
Understand the relationships between order management and customer service.	3.1 Recognize how organizations effect customer`s ordering patterns. 3.2 Analyze the steps in order management and order fulfillment, and the order-to-cash cycle. Be able to calculate the cost of a stockout. 3.3 Discuss the need for service recovery, and initial steps in this process. 3.4 Review inventory management and materials requirements planning processes.
Course Outcome 4	Learning Objectives for Course Outcome 4
Analyze and evaluate different components of the supply chain from a logistics perspective.	4.1 Able to evaluate fulfillment strategies and distribution methods. 4.2 Understand the supply chain to finance connection, the order-to-cash cycle and the impacts on ROA and the balance sheet. 4.3 Analyze various methods used to measure supply chain



costs, service, profit and revenue.
4.4 Understand the critical success strategies for retailers operating in an omni-channel environment.
4.5 Assess the roles and importance of reverse flows in the supply chain, and distinguish between a value stream and a waste stream.

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight
Assignment and Presentation	30%
In class quizzes	30%
Mid-term and final exam	30%
Participation	10%

Date:

June 23, 2023

Addendum:

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

