



COURSE OUTLINE: SCM103 - SUPPLY CHAIN DIST.

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Course Code: Title	SCM103: SUPPLY CHAIN DISTRIBUTION FULFILLMENT
Program Number: Name	2180: SUPPLY CHAIN MANAGEM
Department:	BUSINESS/ACCOUNTING PROGRAMS
Academic Year:	2023-2024
Course Description:	This course provides a comprehensive introduction to the process from product development through order receipt and delivery to consumer.
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.
Essential Employability Skills (EES) addressed in this course:	EES 3 Execute mathematical operations accurately. EES 4 Apply a systematic approach to solve problems. EES 5 Use a variety of thinking skills to anticipate and solve problems.
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:

Operations & Supply Chain Management by David A. Collier/James R. Evans
 Publisher: Cengage Learning Edition: 2nd
 ISBN: 9780357131695
 or 9780357132074 EText

Course Outcomes and Learning Objectives:

Course Outcome 1	Learning Objectives for Course Outcome 1
Discuss strategy and define how it impacts a firm's operations, its quality management and new product development processes.	1.1 Understand operations' role within business strategy, and the differences and similarities between services and manufacturing. 1.2 Discuss the determinants of quality and why firms improve quality. 1.3 Understand the new product development process, major concepts that are applicable, and analysis tools for new product development.
Course Outcome 2	Learning Objectives for Course Outcome 2
Ability to analyze different process designs and layouts and to utilize different tools to design appropriate processes.	2.1 Understand the service-process matrix and the product-process matrix. 2.2 Discuss different types of layouts, and the impact of strategy and technology on potential layouts. 2.3 Utilize break-even analysis, reengineering, bottleneck analysis and other process analysis techniques. 2.4 Decide between self-sourcing and outsourcing.
Course Outcome 3	Learning Objectives for Course Outcome 3
Ability to forecast demand, and understand different types of inventory, order quantities and timelines.	3.1 Discuss the fundamental components of demand and types of forecasting methods. 3.2 Understand the types of inventory, issues surrounding inventory, and inventory systems. 3.3 Understand MRP inputs, records, processes and the evolution to ERP.
Course Outcome 4	Learning Objectives for Course Outcome 4
Understand capacity planning and issues surrounding it, and how technology impacts operations and supply chain management.	4.1 Describe methods of measuring capacity, planning capacity, and calculating capacity utilization. Explain the impact of economies of scale, diseconomies of scale and experience curves on capacity. 4.2 Explain difference in capacity strategy in terms of the timing and sizing of expansion options. 4.3 Identify and describe key types of service technologies and key types of manufacturing technologies. 4.4 Describe why firms globalize and establish international production facilities. 4.5 Discuss various strategies for international production, and understand the advantages and disadvantages of outsourcing and offshoring.

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight
Assignment	30%



	Mid-term and Final Exam	20%
	Participation	10%
	Quizzes	40%

Date: June 23, 2023

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