

H-Form ISE 311

Course Information:	
Code and Title:	ISE 311 Supply chain management principles
Prerequisites:	-
Co requisite (if any)	ISE 322
Credit Hours: 3	Lecture Hrs. (45), Tutorial Hrs. (5), Lab (10), Total Credits (60)
College/ Department:	College of Engineering/Industrial and Systems Engineering

Course Description:
The course examines supply chain management (SCM) and discusses its importance and benefits to the overall strategy and competitiveness of firms of all sizes. Companies are evolving in an increasingly demanding and competitive global market. The course explores all of the key elements that comprise SCM.

Course Objectives:
This course covers the theoretical basis as well as problem solving techniques related to supply chain management problems. At the end of the course students should have the ability to understand the supply chain and design supply chain networks based on the learned knowledge through the course. Students perform serious games and role playing activities as SC stakeholders and they will be able to measure performance of the supply chain by using key performance indicators (KPIs).

Course Learning Outcomes		
		PLO
Knowledge Understanding		
1.1	Recognize the impact of Logistics in developing solutions for transportation logistics, customer relationship management, network design, and service management	K3
1.2	Outline the methods used to manage supply, production and distribution, focusing on current research issues.	K4
Skills		
2.1	Formulate the supply chain terminology and integration with operations.	S1
2.2	Design a supply chain network and effective management solutions to enhance supply chain efficiency	S3
2.3	Communicate effectively in a supply chain management team.	S5
Values		
3.1	Apply ethical and professional responsibilities when judging supply chain management in different situations.	V2

Textbook:			
Title:	Principles of supply chain management: A balanced approach		
Author(s):	Wisner, J. D., Tan, K. C., & Leong, G. K., Boston, MA		
Publisher:	Cengage Learning	Year and Edition:	6 th edition 2022
Other Useful Resources:	Supply Chain Management: Strategy, Planning, And Operation, Sunil Chopra, 7th edition, Pearson 2021.		