BUS1401 - Distribution and Logistics Management

Credits:	3 (3/0/0)
Description:	This course explores the strategic and operational aspects of distribution and logistics within the broader context of supply chain management. Students examine key functions, such as transportation, warehousing, inventory control, safety, and global logistics, with a special emphasis on integrating emerging technologies. The course introduces artificial intelligence (AI) applications in logistics, including predictive analytics, route optimization, demand forecasting and intelligent warehouse systems. Students gain practical skills to manage logistics operations efficiently and adapt to the evolving digital supply chain landscape.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Explain the role of distribution and logistics in supply chain management and their impact on organizational success. 2. Evaluate transportation modes and strategies for cost-effective and timely delivery of goods. 3. Analyze warehouse operations, including layout, inventory systems, safety and automation technologies. 4. Apply inventory control techniques to balance service levels and cost efficiency. 5. Explain packaging, order fulfillment and customer service as key components of logistics performance. 6. Understand packaging, order fulfillment and customer service as key components of logistics performance. 7. Explore artificial intelligence applications in logistics, such as predictive analytics, autonomous vehicles and smart warehousing. 8. Develop strategies for logistics optimization using data-driven decision making and continuous improvement methodologies.
MnTC goal areas:	None

**Can be taking as a Prerequisite or Corequisite.*

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