

Logistics in Theory and Practice

From a backroom activity, logistics management has become a much sought-after corporate weapon when it comes to achieving operational excellence. The experiences of multinational companies, such as Wal-Mart, Toyota, 7-Eleven, and Dell, have provided ample evidence on how logistics management could contribute to superior supply chain performance. This course introduces logistics management in both theory and practice within supply chain operations. Through a discussion of the multidimensional facets of logistics operations that cover sourcing, transport, warehousing, distribution and retailing, this course will explore how logistics operations contribute to building robust supply chains in different operational contexts. The course will end with a peep into the plausible future of logistics practices as supply chains operations become embroiled in an increasingly digitized business landscape.

Session Topic

Session 1: Logistics in Practice: The Supply Chain Perspective

Session 2: Logistics Operations in a Competitive Supply Chain Network Environment

Session 3: Role of Logistics in Strategic Supply Chain Operations

Session 4: Logistics Infrastructure

Session 5: Logistics Service Providers

Session 6: Information in Supply Chain Management

Session 7: Service Supply Chains

Session 8: Complexity and Supply Chain Risk Management

Session 9: Green Supply Chains and Reverse Logistics

Session 10: Logistics Practices in Omni-channel Supply Chains

Session 11: Role of Logistics in Next Generation Supply Chains

Session 12: Student Term Project Presentation

Supply Chain Relationships

Supply chain relationships are the cartilages of supply chain operations. They articulate the transition of supply chain activities from one member to another, playing a major role in determining the flexibility, agility and adaptability of the chain, the key ingredients that give a supply chain its competitive strengths. This course introduces the notion of supply chain relationships from an operational perspective. Beginning with a broad overview of the factors influencing supply chain relationships and the range of exchange relationships, this course will discuss both the theories and practices of supply chain relationship management. It will explore the relational dynamics of partners engaged in various forms of exchange relationships and the impacts of social capital and cultural norms (e.g., *Guanxi*) on the behavior of the exchange partners. The course will conclude with a look at the evolving role of supply chain relationships in the wake of the 4th industrial revolution.

Session Topic

Session 1: Fundamentals of supply chain relationships

Session 2: Theories of supply chain relationships

Session 3: Dynamics of supply chain relationships

Session 4: Governance mechanism of supply chain relationships

Session 5: Impacts of Social Capitals and Cultural Norms

Session 6: Outsourcing and Offshoring: Managing relationships in the global supply chains

Session 7: Managing supplier-supplier relationships

Session 8: Supply chain relationships and supply chain performance

Session 9: Balancing relational ties against economic rationality

Session 10: Case studies in supply chain relationship management

Session 11: Supply chain relationships in the digital environment

Session 12: Student Term Project Presentation