

IND2630 SUPPLY CHAIN MANAGEMENT

CARGA HORÁRIA TOTAL: 45 HORAS

CRÉDITOS: 3 – CRITÉRIO: 12

PRÉ-REQUISITO(S): nenhum

OBJETIVOS

To provide the student with a holistic understanding of logistics and supply chain management, enabling the student to analyze its implications in the field of Production Engineering from an academic perspective and to examine and comprehend its implementation in industrial and business practices.

EMENTA

Introduction to logistics. Evolution of logistics. Scope and functional areas. Logistics service providers. Supply Chain. Challenges and opportunities in its management. Key enablers: information technology, organizational structure, and types of relationships. Coordinated supply chain design. Outsourcing. Industrial applications and current initiatives in the industry. Logistics games.

PROGRAMA

Introduction to logistics. Evolution of logistics: from functional area to business process, from operational to strategic, from local to global, from intra-firm to inter-firm across the supply chain. Scope and functional areas of logistics: network design, transportation, information, inventory management, warehousing, materials handling, packaging. Logistics service providers and operators. Definition of Supply Chain. Challenges and opportunities in its management. Key enablers: information technology, organizational structure, and types of relationships/partnerships. Coordinated design of supply chains and products. Supply chain integration practices: S&OP, CPFR, DMI. Supply chain analysis and mapping. Outsourcing. Risk management in supply chains. Industrial applications and current initiatives in the industry. Logistics simulations.

BIBLIOGRAFIA PRINCIPAL

BOWERSOX, Donald J.; CLOSS, David J.; COOPER, M. B. Supply Chain Logistics Management. New York: McGraw Hill (6th Edition), 2024. ISBN10: 1265072604 | ISBN13: 9781265072605
CHRISTOPHER M. Logistics and Supply Chain Management. FT Publishing International (6th Edition), 2023. ISBN 10: 1292416181 / ISBN 13: 978-1292416182.
CHOPRA, S. Supply Chain Management: Strategy, Planning, and Operation, Global Edition. Pearson (7th edition), 2019. ISBN-13 978-1292257891.

BIBLIOGRAFIA COMPLEMENTAR

HUGOS, M. H. Essentials of supply chain management. John Wiley & Sons (th Edition), 2024. ISBN 9781394217311
SANDERS, N.R. Supply Chain Management: A Global Perspective. Wiley (3rd Edition), 2020. ISBN 13: 978-1119702863.
SIMCHI-LEVI, D., KAMINSKY, P., SIMCHI-LEVY, E. Designing and managing the supply chain: concepts, strategies, and case studies (3rd Edition). New York, NY: McGraw-Hill, 2009. ISBN: 978007127097 7.