

SUSTAINABILITY PRINCIPLES AND PRACTICES: A SUPPLY CHAIN PERSPECTIVE

Professor

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Monday-Friday (6:30 am – 9:30 am)

Saturday (9:00 am – 12:00 m)

ONLINE AM

DESCRIPTION

As the result of human footprint on the planet, we already passed the safe operating boundary in four areas out of nine planetary boundaries. In 2015, the United Nations provided a list of 17 sustainable development goals for achieving a sustainable future that could better help sectors, industries, executives, and customers to understand how the economies can move from the traditional business models into the more sustainable ones. The global/local supply chains are experiencing more sustainability-related challenges in their businesses such as greenhouse gas emissions, water consumption, land degradation, work health & safety, child labour, and diversity. Customer awareness, rules and regulations, unions, and non-profit organizations are more and more demanding the implementation of sustainability practices and measures in different industries. This interdisciplinary course highlights why the economies need to address sustainability at macro level. We also discuss why global supply chains need to do so and what are the challenges for multi-national companies with fragmented and extended supply networks to integrate environmental and social considerations into their strategies, decision-making, and operations.

OBJECTIVES

Upon successful completion of the course students should be able to:

- Describe the sustainability problems in our planet and why we need actions to solve those problems.
- Discuss the complexities of global supply chains and the challenges that global/local chains are facing to address sustainability in their operations.
- Argue the potential solutions for creating a sustainable supply chain management system.
- Analyse the interconnections between the triple-bottom-line concept with logistics and supply chain operations.
- Explain the advantages of integrating sustainability principles into the logistics and supply chain operations.
- Criticize weak sustainability initiatives and practices implemented in global/local supply chains.
- Argue the future needs of global/local supply chains for addressing sustainability in their businesses.

METHODOLOGY

The course consists of 10 face-to-face lectures with small group discussions in the classroom. Activity-based learning approach is implemented to engage students in course activities. A convergent thinking approach is considered to interconnect theoretical discussions with real-world cases problems and providing some solutions for those problems. Students will be introduced to real-world problems and through group discussions and assignments possible solutions will be provided. Additionally, we play a simulation game where the students experience the results of their decisions in a simulated real-world situation.

EVALUATION

- Participation in sustainability game
- The case seminar
- The final project

PRE-REQUISITES

N/A