



Sustainability refers to the long-term viability of businesses from a financial, environmental, and social perspective. In recent years, firms are facing growing regulatory and societal pressure to become more sustainable and to take responsibility for the environmental and social impact of their activities. This poses challenges for traditional business models and practices. Powerful levers to manage sustainability reside in the origins of a firm's value creation, in their operations and supply chains.

This module – jointly offered by all chairs of the Area Operations Management – provides a broad analysis of sustainability from the operations and supply chain perspective, and illustrates the potential of operations management to strategically contribute to the economic, environmental, and social performance of firms. Topics include sustainable product and service design, lean and green operations, closed-loop supply chains, and sustainability in procurement.

Objectives

The main intended learning outcome is a sound understanding of how to tackle sustainability goals in the economic reality of matching supply and demand. Participants will learn how to effectively lessen the negative environmental and social impacts of firms while maintaining their competitiveness. Special emphasis is put on analytical approaches and practical insights that illustrate concepts and challenges. Furthermore, students will intensify their understanding of operations and sustainability topics by putting concepts and analytical tools into a broader, interdisciplinary and strategic context.

Organization

The module consists of regular lectures and exercise classes in which extended and short cases will be discussed. High-caliber guest speakers will serve as a rich source of practical insights.

There is no mandatory textbook. Teaching material, additional readings, and information regarding supplementary textbooks will be provided in class. For more information, please see the corresponding ILIAS group.

General Information	
Lecturers	Prof. Dr. C. Bode Prof. Dr. M. Fleischmann Prof. Dr. C. Schön Prof. Dr. R. Stolletz
Course Format	2h lecture
Credit Points	4 ECTS
Language	English
Grading	Written exam
Exam Date	Mid-semester
Term	Spring
Range of Application	M.Sc. MMM, M.Sc. MMBR, M.Sc. Bus. Edu., M.Sc. Bus. Inf., M.Sc. Bus. Math., M.Sc. Econ.

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