



Exchange programme Vrije Universiteit

Vrije Universiteit Amsterdam - Exchange programme Vrije Universiteit - 2022-2023

Exchange

Vrije Universiteit Amsterdam offers many English-taught courses in a variety of subjects, ranging from arts & culture and social sciences, neurosciences and computer science, to economics and business administration.

The International Office is responsible for course approval and course registration for exchange students. For details about course registration, requirements, credits, semesters and so on, please [visit the exchange programmes webpages](#).

Sustainable Management of Global Supply Chains

Course Code	E_IBA2_SMG
Credits	6.00
Period	P4
Course Level	200
Language Of Tuition	English
Faculty	School of Business and Economics
Course Coordinator	dr. M. Leitner
Examiner	dr. M. Leitner
Teaching Staff	dr. M. Leitner
Teaching method(s)	Study Group, Lecture

Course Objective

ACADEMIC SKILLS

After successfully completing this course, you can

- analyze decisions related to international procurement, production and distribution networks and evaluate their impact on coordination and pricing within a supply chain and on sustainability;
- recognize fundamental structures and to leave out irrelevant information, i.e., can create the strategy, structure and planning of a supply chain in a fact-based and structured manner;
- put forward well-founded, substantiated points of view.

KNOWLEDGE

After successfully completing this course, you can

- explain contemporary concepts and theories on supply chain strategy and planning, specifically in the context of sustainability;
- explain the topics of supply chain network design, outsourcing & sourcing strategies, contract design, incentive alignment, pricing and revenue management, and sustainability.

APPLICATION

After successfully completing this course, you can

- apply your theoretical knowledge on supply chains to detailed real-life case studies;
- make connections between the concepts discussed;
- provide companies with recommendations about their processes and possibly conduct consultancy on supply chain design and management.
- build models for (re) designing the physical flows while controlling the financial and information flows within supply chains;
- analyze decisions related to international procurement, production and distribution networks and evaluate their impact on coordination and pricing within a supply chain and sustainability;
- create the strategy, structure, and planning of a supply chain in a fact-based and structured manner.

BROADENING YOUR HORIZON

After successfully completing this course, you can

- describe the developments, challenges and opportunities in the management of sustainable and global supply chains;
- critically discuss the infrastructure constraints, the logistics inefficiencies, and limitations in service operations;
- discuss and formulate recommendations on how to create opportunities in (sustainable) supply chain management with emphasis on international aspects of global supply chains.

Course Content

This course focuses on the effective design and execution of global

supply chains, with an emphasis on the opportunities and challenges that growing concerns about sustainability present. More specifically, this course covers topics related to global supply chain strategies, global network optimization, outsourcing & sourcing strategies and contract design. The course furthermore tackles advanced supply chain concepts such as supply chain coordination, incentive alignment, pricing and revenue management and discussed their relation to sustainability. You are introduced to theoretical concepts with emphasis on key trade-offs and phenomena, as well as best practice examples. You are also exposed to models and problem-solving tools, applicable to the design and planning of (sustainable) supply chains. Upon completion, you should be able to look strategically at the full supply chain .

Additional Information Teaching Methods

Lectures
Tutorials
Participation

Method of Assessment

Written Exam - Individual assessment
Assignment(s) - Group Assessment

Literature

Selected chapters from Chopra, S. (2019). Supply chain management. Strategy, planning & operation. 7th Global Edition. Prentice Hall, Pearson Higher Education. Note: the 6th edition, 2016, is also applicable to this course.

Additional readings will be announced on Canvas.

Recommended background knowledge

1.1 Business Mathematics
1.4 Global Supply Chain Management
1.6 Business Processes