Business PF
Business School
Fakultät für Wirtschaft und Recht
Hochschule Pforzheim

HS PF

Syllabus

GMT5101 Global Sourcing and Supply Chain Management

Prof. Dr. Frank Schätter / Dr. Hendrik Reefke

Winter Semester 2023 / 2024

Level	Master	
Credits	3	
Student Contact Hours	2 hours per week	
Workload	90 hours	
Prerequisites	None	
Time	Specific lecture times during October/November/December 2023 (see tentative timetable at the end of this document)	
Room	W4.1.06 & W1.2.03 (see LSF)	
Start Date	Wednesday, October 11, 2023	
Lecturers	**Name**	Prof. Dr. Frank Schätter, Supply Chain Processes Mgmt. / Dr. Hendrik Reefke
	Office	W2.3.23 / -
	Virtual Office	-
	Office Hours	On request and by arrangement
	Phone	+49 7231 28 - 6305
	Email	frank.schaetter(at)hs-pforzheim.de hendrik.reefke(at)cranfield.ac.uk

Summary

The course provides a general overview of various Supply Chain Management (SCM) topics. At the end of the course, participants should be able to apply specific concepts and methods, understand the relationships between operational functions in the value chain, distinguish between internal and external business processes and establish links between them. To this end, SCM is viewed from a process perspective to improve the speed, security, flexibility, sustainability, and cost efficiency of the supply chain and to perform process-oriented planning and management of supply chain functions. Particular emphasis is placed on procurement, explaining the key performance areas in terms of cost, quality and sustainability, including their links to the overall objectives of an organisation. Finally, students will be able to understand SCM from a strategic perspective and define common SCM architectures and strategic archetypes.

Outline of the Course

Topics covered during the course include:

- Supply chain management and business process management
- Transport and transhipment
- Warehouse management
- Logistics structures and network planning
- Principles of procurement
- Supplier evaluation and selection
- Supply chain management strategies
- Supply chain controlling
- Information and communication technologies
- Sustainability in logistics and supply chains

Course Intended Learning Outcomes and their Contribution to Program Intended Learning Outcomes / Program Goals

Program Intended Learning Outcomes		Course Intended Learning Outcomes	Assessment Methods	
	After completion of the program the students will be able…	After completion of the course the students will be able…	Presentation	Term Paper
			50 %	50 %
			Collective	Individual
1	**Responsible Leadership in Organizational Contexts**			
1.1	... to know and explain important leadership principles.	... to work on a complex supply chain management topic in a group project and communicate the findings in workshops.	X	
1.2	... to apply leadership concepts to an organizational context or a specific case.	… to illustrate the practical relevance of the complex supply chain management topic.	X	
1.4	... to act responsibly from a scientific self-understanding and to act professionally.	… to deal scientifically with cross-sectional questions from the lecture and workshops.		X
2	**Creative Problem Solving Skills in a Complex Business Environment**			
2.1	... to identify & classify problems.	… to set priorities within the complex supply chain management topic and to disclose the problems contained therein.	X	
2.2	... to analyze problems.	… to solve given cases analytically and / or argumentatively.		X
2.3	... to creatively solve problems.	… to actively involve fellow students in problem solving during the workshops.	X	
3	**Applied research skills**			
3.2	… to appropriately apply the research and analysis methods.	… to combine the key theories with the best practical advice as part of the workshop preparation, presentation, and evaluation of outcomes.	X	
4	**Innovation management and management of digital transformation**			
4.1	… to have fundamental knowledge of operational innovation processes and of processes of digital transformation.	… to discuss the potential for innovation in logistics, procurement, and supply chain management.	X	X
4.2	... to assess a company´s innovation potential and its needs/opportunities with respect to digital transformation.	… to identify innovation potential for the given topics/cases and develop applicable assessment/implementation strategies.	X	X
5	**Management of the challenges of global sustainability and awareness for social and corporate responsibilities**			
5.2	… to identify and analyze sustainability issues and their causes.	… to understand the trade-offs between economic, social/cultural, and environmental considerations in supply chain management.	X	X

Teaching and Learning Approach

This course follows a holistic approach to teaching and learning, i.e., it is important that students understand the wider connections of the functions of global sourcing and supply chain management. In support of this goal, several teaching tools will be utilised forming an integrated teaching approach. At the beginning of the course the students will get a set of lectures about global sourcing, supply chain management and related logistics functions to build the foundation for the following work (see "Outline of the Course").

Based on this conceptual framework, the students will be split into teams to prepare a workshop on 'horizontal' topics relevant to the course contents. It is the objective to use these workshops to further deepen the knowledge of the whole class. For this reason, adequate interaction between the organizing team of the workshop and the rest of the class is required. After the workshops each participant will write a final report on a set of questions assigned.

The foundation lectures are mostly held in block structure (see timetable). At the end of the foundation lectures, the horizontal topic will be defined for each team individually and will be explained during a kick-off-meeting by the lecturers. The teams will have a time frame of several weeks in order to prepare the respective workshops. During this time the lecturers will arrange team coaching sessions accordingly. Together with the lecturer assigned to them, each team will agree on the appropriate timing, form and contents of the coaching sessions.

The workshops will be scheduled towards the end of the course (see timetable). An initial feedback session will be provided to each team directly after the workshops. Following the workshops, each participant will write a final report on a set of questions assigned; details on report structure, delivery date etc. will be agreed upon directly after the workshops.

Literature and Course Materials

- Chopra, S., Meindl, P., 2013, Supply chain management: Strategy, planning & operation, Prentice Hall
- Fisher, M. L. (1997). What is the right supply chain for your product? Harvard Business Review, 75(2), 105-116.
- Gleissner, H., Möller, K., 2011, Case Studies in Logistics: The practical application of logistics methods and instruments, Springer Gabler (e-book)
- Gleissner, H., Femerling, J.C., 2013, Logistics: Basics – Exercises – Case Studies, Springer International Publishing (e-book)
- Ivanov, D., Tsipoulanidis, A., Schönberger, J., 2017, Global Supply Chain and Operations Management: A Decision Oriented Introduction to the Creation of Value, Springer International Publishing (e-book)
- Lee, H. L. (2002). Aligning supply chain strategies with product uncertainties. California Management Review, 44(3), 105-119.
- Mentzer, J. T., DeWitt, W., Keebler, J. S., Min, S., Nix, N. W., Smith, C. D., et al. (2001). Defining supply chain management. Journal of Business Logistics, 22(2), 1-25.

Lecture slides and any additional resources will be provided through the e-learning platform.

Assessment

The assessment will be based on the workshop performance and the final written report which will each account for 50 % of the final mark. The workload is to be shared equally among the members of each team.

Schedule

Day	Time	Room	Contents	Comment
Wednesday, 11.10.2023	08:00-11:15	W4.1.06	Introduction to course, Foundation lecture part 1	Dr Schätter
Wednesday, 18.10.2023	08:00-11:15	W4.1.06	Foundation lecture part 2, 3	Dr Schätter
Wednesday, 25.10.2023	08:00-11:15	W4.1.06	Foundation lecture part 3, 4	Dr Schätter
Friday, 03.11.2023	11:30-18:45	W4.1.06	Foundation lecture part 5	Dr Reefke
Saturday, 04.11.2023	09:30-13:00	W1.2.03	Introduction to topics	Dr Schätter/ Dr Reefke
tbd			Team related coaching 1	Dr Schätter
tbd			Team related coaching 1	Dr Reefke
tbd			Team related coaching 2	Dr Schätter
tbd			Team related coaching 2	Dr Reefke
Monday, 18.12.2023	11:30-18:45	W4.1.06	Final workshops	Dr Schätter/ Dr Reefke

Additional Information

In support of this course, an e-learning platform will be used which offers several advantages. Firstly, teaching material will be made available via this platform. Secondly, questions that might arise can be discussed among the students through the use of this platform. Finally, general questions can be answered transparently by the lecturer, i.e., all students will be able to see the answers. For specific questions, you may always contact the lecturer in person or via email. Please be aware that one of the lecturers (Dr Reefke) will only be available in person during the lecture times specified.