

Syllabus
BAE4056 Supply Chain Management
Prof. Dr. Moritz Peter
Winter Semester 2024/25

Level	Bachelor	
Credits	3	
Student Contact Hours	2	
Workload	90 Hours	
Prerequisites	None	
Time	s. LSF	
Room	s. LSF	
Start Date	s. LSF	
Lecturer(s)	Name	Prof. Dr. Moritz Peter
	Office	T1.5.23
	Virtual Office	Virtual office of Prof. Peter
	Office Hours	s. Homepage
	Phone	(07231) 28-6671
	Email	Moritz.peter@hs-pforzheim.de

Summary

In this course the principles of logistics and special knowledge about strategic, tactical and operational supply chain management will be imparted. It is the aim that the students learn the goals, functions and tasks of supply chain management. The understanding for a holistically optimal configuration of the entire supply chain is essential. The students will learn the theoretical fundamentals, consolidate them in discussions and learn to apply them by means of practical expert knowledge. The course content spans strategic reflections about the supply chain configuration to the optimal stock management and to crash management in the system. Based on the occurring questions in the course it is aimed to encourage a discussion and thereby a critical discussion on the topic.

Outline of the Course

- Understanding the supply chain
- Supply chain strategy
- Supply chain drivers
- Overall coordination
- Designing the supply chain network
- Logistic elements of supply chain design
- Sourcing/stock: basics, strategy and analysis
- Sourcing/stock: planning and controlling
- Stock reduction in warehouse and production
- Procurement and supply management
- Distribution network design
- Supply chain risk management
- Supply chain trends

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

Program Intended Learning Outcomes	Course Intended Learning Outcomes
After completion of the program the students will be able...	After completion of the course the students will be able...
1 Expert Knowledge	
1.3 ...to demonstrate their distinguished and sound competencies in General Business Administration.	...to apply concepts and method of cross-functional and cross-company control of material and information flows.
1.7 ...to demonstrate their solid key knowledge in Computer Science.	...to Interpret information flows across business units and across corporate boundaries.
1.8 ...to demonstrate profound expert knowledge in their field of specialization.	...to identify key areas of supply chain management, e.g. risk management, sustainability, digitalization.
2 Digital Skills	
2.1 ...to know and understand relevant IT software tools used in business and their features and have a solid understanding of digital technologies.	...to identify features and principle structure of SCM modules in ERP systems.
2.3 ...to effectively use digital technologies to interact, to collaborate and to communicate	...to identify the interaction of the different application systems and stakeholders in the supply chain.
3 Critical Thinking and Analytical Competence	
3.1 ...to implement adequate methods in a competent manner and to apply them to complex problems.	...to work on current SCM case studies.
4 Ethical Awareness	
5 Communication and Collaboration Skills	
5.3 ...to work successfully in a team by performing practical tasks.	...to work out a solution to the case study in (small) group work.
6 Internationalization	
6.2 ...to articulate themselves in a professional manner in international business.	...to speak fluent English.

Teaching and Learning Approach

Teaching is interactive based on the lecture slides with supplementary textbooks. For a good learning outcome, you are required to read the learning material during the semester and to discuss the outcome of their learning and open questions continuously and in exchange with others.

Literature and Course Materials

Textbooks (recommended)

- Chopra, S. (2018): Supply Chain Management: Strategy, Planning, and Operation 7th ed., Pearson, London.
- Heizer, J.; Render, B. (2016): Operations Management, Global Edition, 11th ed., Pearson, London.
- Van Weele, A.J. (2014): Purchasing and Supply Chain Management, 6th ed., Cengage Learning, London.
- Handfield, R. B., Monczka, R. M., Giunipero, L. C., & Patterson, J. L. (2016). Sourcing and Supply Chain Management (6th ed.). Florence, KY: Cengage Learning.
- Lecture slides

Assessment

Presentation and documents with individual contribution (PLP, PLR).

Grading scale: (see SPO, allg. Teil, Neufassung vom 01.09.06, p. 20):

- 1 = excellent (pass grade) = outstanding work;
- 2 = good (pass grade) = work which is far above average
- 3 = satisfactory (pass grade) = average work;
- 4 = sufficient (pass grade) = work with shortcomings which still meets requirements
- 5 = insufficient (fail grade) = work with severe shortcomings, does not meet requirements

Schedule

The time available will roughly be spend on:

- 40 % Supply chain lecture
- 40 % Supply chain cases
- 20 % Presentation and discussion of results

Academic Integrity and Student Responsibility

N/A

Code of Conduct for Students

- Read the syllabus
- Practice fair play to your fellow students
- Print and read the abstracts/notes before the lecture/exercise and take a look at it
- Please make sure to be on time and avoid to leave the lectures/exercises early
- Contribute to a pleasant atmosphere (i.e. silence)
- Solve your exercises independently
- Raise questions if you don't understand something

[Link to the Code of Conduct for online Teaching](#)

Teaching Philosophy

I do care about your learning, thus helping you is an important matter to me. If you encounter problems or questions with any aspect of the course, do not hesitate to contact me. I will respond quickly and if it is necessary, we can arrange an appointment.

My main objective is the preparation of Hochschule-Pforzheim students for a successful career in the procurement and/or procurement-logistic function of international companies in various industries. In order to achieve this goal, I would like to appeal and foster the student's heart (motivation), hand (experience) and head (knowledge) through practice-oriented topics and vivid classroom interaction. Hence, if you have problems with your progress in the course or with your group please see me as early as possible. I do want you to graduate, but you must earn it!

Additional Information

Language: English

Please register for this course in moodle for course updates/communication!

Learning objectives and outcomes:

The students

- know the objectives, functions and tasks of supply chain management,
- deal with the specific mindset and problems of supply chain management,
- are able to differentiate between strategic and tactical or operative tasks in supply chain management,
- recognize the advantages of holistic optimisation as opposed to individual optimizations,
- are able to reflect and implement individual plans within supply chain management itself (e. g. inventory optimisation, investment decision, distribution network configuration).

As a result the students are able to deal with supply chain management planning problems. Furthermore, they are able to create value in a company context with advanced knowledge and mindset acquired.