

## BAE4056 Supply Chain Management

2 SWS (semester weekly hours), 3 Credits

**Language:** English

**Level:** Advanced

### Schedule:

- Every week: Thursday 13:45h – 15:15h
- First session: Thursday, 08 October 2020
- **Please register for this course in moodle for course updates/communication!**
- If online courses are required my alfaview class-room will be used, link as of 08/2020:  
<https://alfaview.com/join/alfaview-technik/1db2d885-96f0-4575-b1d1-0bf1c5604f0f/0c9a0f84-a5c1-4129-9c7a-b39e6616f0a0>

**Room:** tba

### Lecturer:

Prof. Dr. Moritz A. Peter,

Office hours: Wednesday, 09:45-11:15h

E-mail: moritz.peter@hs-pforzheim.de

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.

### Overview:

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.

**Prerequisites:** None.

### 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.

**Course topics:**

- Understanding the supply chain
- Supply chain strategy
- Supply chain drivers
- Overall coordination
- Designing the supply chain network
- Logistic elements of supply chain design

**Course topics (continued)**

- 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

**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.

**Course material:**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

**Contribution to program goals:**

**BACHELOR**

	<b>Learning results</b>	<b>Contribution</b>
1.3	Students demonstrate key knowledge in Business Administration.	Introduction to and communication of concepts and methods for the management of information and material flows across functional and company borders.
3.1	Students are able to apply analytical and critical thinking skills to complex problems.	The focus is the transformation of limited thinking and dealing confined to one's own company, processes and results to a holistic view/planning/optimisation to achieve overall process optimum.
7.1	For specific cases students demonstrate their ability to understand and design cross-functional as well as cross-company business processes in a global context. (GPM)	The aim is a holistic design and optimisation of corporate network processes in order to increase cross-company overall efficiency and its value.

**Behavioural codex / behavioural rules:**

- 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

**My teaching philosophy:**

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!

**Schedule (changes might become necessary):**

The time available will roughly be spend on:

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