Procurement and Logistics

1	Module number 0959	Study program TAB / TBB	Semester 3	offered im ⊠WS ⊠SS	Duration 1 Semester	Modul type mandatory	Workload (h) 120	ECTS Credits 4
2	Lehrveranstaltungen		Lehr- und Lernform		Kontaktzeit		Selbst- studium	Sprache
	Procurement and Logistics				(SWS)	(h)	(h)	
			Lecture		4	60	60	German with English slides and online course

3 Learning Outcomes and Competences

Once the module has been successfully completed, the students.....

Knowledge and Understanding

- ... of basic the importance of procurement and logistics in companies
- ... of basic methods in procurement and logistics

Use, Application and Generation of Knowledge

- ... calculation of material requirements and economic order quantities
- ... calculation of shortest pathes and vehicle routings
- ... dimensioning of warehouses and selection of technology for storage, material flow and identification
- ... analysis of logistical problems and solution finding

Communication und Cooperation

• ... communication and cooperation in groups to solve problmens and apply solutions

Scientific Self-Conception/ Professionalism

- ... provide recommendations for decisions based on own analysis
- ... to argue own solutions based on theory and in an methodological way
- ... reflect own competencies within groups.

4 Content

Grounding and terms of modern materials management and logistics. Focus topics are operational procurement as well as transportation and warehousing of industrial companies. Operational procurement covers mainly material requirements planning, planning of economic order quantities and inventory management. In transportation and warehousing relevant processes, technologies as well as methods for operation planning are discussed.

5 Participation Requirements

mandatory: -

recommended:

- Proficiency in English corresponding to at least level B2 according to the Common European Framework of Reference for Languages
- School knowledge in mathematics

6 Examination Forms and Prerequisites for Awarding ECTS Points

Written examination with a duration of 60 minutes

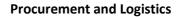
7 Further Use of Module

Compulsory module in the Bachelor's degree course in Business Management / Automotive Industry (TAB) and International Industrial Management (TBB)

Basis for Supply Chain Management

8 Module Manager and Full-Time Lecturer

Prof. Wlcek





Literature

- Arnolds, Hans [2016]: Materialwirtschaft und Einkauf, 13. Auflage, Springer
- Kluck, Dieter [2008]: Materialwirtschaft und Logistik, 3. Auflage, Schäffer-Poeschel Verlag
- Oeldorf, Gerhard, Olfert, Klaus [2018]: Material-Logistik, 6. Auflage, Kiehl
- Wannenwetsch, Helmut [2014]: Integrierte Materialwirtschaft, Logistik, Beschaffung, 5. Auflage, Springer Vieweg

10 Last Update

13.04.2022