

**Procurement and Logistics**

1	<b>Module number</b> 0959	<b>Study program</b> TAB / TBB	<b>Semester</b> 3	<b>offered in</b> <input checked="" type="checkbox"/> WS <input checked="" type="checkbox"/> SS	<b>Duration</b> 1 Semester	<b>Modul type</b> mandatory	<b>Workload (h)</b> 120	<b>ECTS Credits</b> 4
2	<b>Lehrveranstaltungen</b>  Procurement and Logistics	<b>Lehr- und Lernform</b>  Lecture		<b>Kontaktzeit</b>  (SWS)   (h) 4   60		<b>Selbst-studium</b> (h) 60	<b>Sprache</b>  German with English slides and online course	
3	<p><b>Learning Outcomes and Competences</b> Once the module has been successfully completed, the students.....</p> <p><b>Knowledge and Understanding</b></p> <ul style="list-style-type: none"> <li>... of basic the importance of procurement and logistics in companies</li> <li>... of basic methods in procurement and logistics</li> </ul> <p><b>Use, Application and Generation of Knowledge</b></p> <ul style="list-style-type: none"> <li>... calculation of material requirements and economic order quantities</li> <li>... calculation of shortest pathes and vehicle routings</li> <li>... dimensioning of warehouses and selection of technology for storage, material flow and identification</li> <li>... analysis of logistical problems and solution finding</li> </ul> <p><b>Communication und Cooperation</b></p> <ul style="list-style-type: none"> <li>... communication and cooperation in groups to solve problmens and apply solutions</li> </ul> <p><b>Scientific Self-Conception/ Professionalism</b></p> <ul style="list-style-type: none"> <li>... provide recommendations for decisions based on own analysis</li> <li>... to argue own solutions based on theory and in an methodological way</li> <li>... reflect own competencies within groups.</li> </ul>							
4	<p><b>Content</b></p> <p>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.</p>							
5	<p><b>Participation Requirements</b></p> <p>mandatory: -</p> <p>recommended:</p> <ul style="list-style-type: none"> <li>Proficiency in English corresponding to at least level B2 according to the Common European Framework of Reference for Languages</li> <li>School knowledge in mathematics</li> </ul>							
6	<p><b>Examination Forms and Prerequisites for Awarding ECTS Points</b></p> <p>Written examination with a duration of 60 minutes</p>							
7	<p><b>Further Use of Module</b></p> <p>Compulsory module in the Bachelor's degree course in Business Management / Automotive Industry (TAB) and International Industrial Management (TBB)</p> <p>Basis for Supply Chain Management</p>							
8	<p><b>Module Manager and Full-Time Lecturer</b></p> <p>Prof. Wlcek</p>							

## Procurement and Logistics

9	<b>Literature</b> <ul style="list-style-type: none"><li>• Arnolds, Hans [2016]: Materialwirtschaft und Einkauf, 13. Auflage, Springer</li><li>• Kluck, Dieter [2008]: Materialwirtschaft und Logistik, 3. Auflage, Schäffer-Poeschel Verlag</li><li>• Oeldorf, Gerhard, Olfert, Klaus [2018]: Material-Logistik, 6. Auflage, Kiehl</li><li>• Wannenwetsch, Helmut [2014]: Integrierte Materialwirtschaft, Logistik, Beschaffung, 5. Auflage, Springer Vieweg</li></ul>
10	<b>Last Update</b> 13.04.2022