

**Module 664 – Project Management**

1	<b>Module number</b> 664	<b>Study programme</b> WNB	<b>Semester</b> 5	<b>Offered in</b> <input checked="" type="checkbox"/> WS <input checked="" type="checkbox"/> SS	<b>Duration</b> 1 semester	<b>Module type</b> Compulsory	<b>Workload (h)</b> 150	<b>ECTS points</b> 5
2	<b>Courses</b>		<b>Teaching and learning form</b>		<b>Contact time</b>		<b>Self-study</b>	<b>Language</b>
	a) Project Management		Lecture		<b>(SWS)</b> 4	<b>(h)</b> 60	<b>(h)</b> 90	English
3	<p>Learning outcomes and competences After successfully completing the module, students can...</p> <p><b>Knowledge and understanding</b></p> <ul style="list-style-type: none"> <li>• ... understand terms and concepts of project management and their fundamental importance for companies in various industries.</li> <li>• ... distinguish between different project management methods (GPM / IPMA, PMI, Scrum, Prince2) and select them taking special fields of application into account.</li> <li>• ... recognize both a company and a project as a holistic, goal-oriented organization.</li> <li>• ... understand that project management is a strategic and competitive factor for companies.</li> <li>• ... understand agile project management and its implementation.</li> </ul> <p><b>Use, application and generation of knowledge</b></p> <p><b>Use and transfer</b> ... understand the methods of competency-based project management according to GPM / IPMA and carry out the successive steps in the project planning process as well as identify and select the most appropriate methods and techniques for each step.</p> <ul style="list-style-type: none"> <li>• ... understand the methods of agile project management according to Scrum and learn how to implement them using standard tools.</li> <li>• ... create, review, justify and present a complete basic project plan that also comprehensively takes into account the project environment and the special framework conditions of the developed project.</li> <li>• ... independently refresh and deepen the skills they have acquired.</li> </ul> <p><b>Communication and cooperation</b></p> <ul style="list-style-type: none"> <li>• ... check and improve self-developed project plans with regard to completeness, correctness and consistency throughout the entire planning cycle.</li> <li>• ... systematically reflect on opinions and findings, discuss them and – if necessary – revise or revise them.</li> <li>• ... analyze the extent to which the requirements of the 17 goals for sustainable development can be taken into account in the individual project phases.</li> </ul> <p><b>Scientific self-conception/professionalism</b></p> <ul style="list-style-type: none"> <li>• ... define, structure and plan projects using specific and appropriate tools.</li> <li>• ... take an active part in a project team, develop and discuss ideas and solutions with a view to the overall plan.</li> <li>• ... work with team members in a fair and goal-oriented manner, address tasks and take collective responsibility for the results achieved.</li> </ul>							
4	<p><b>Content</b></p> <ul style="list-style-type: none"> <li>• Project management goals and concepts</li> <li>• Influence of project management both on day-to-day business in companies and on macroeconomic and social progress.</li> <li>• Overview of the project management methods according to GPM/IPMA, Scrum, Prince2.</li> <li>• In-depth, competency-based project management according to Scrum.</li> <li>• Creation of a basic, complete project plan in the team for all essential steps of the corresponding process.</li> <li>• Difference between conventional and agile project management, project management as part of a sustainability strategy.</li> <li>• Use of Scrum tools.</li> </ul>							

5	<b>Participation requirements</b> obligatory: none recommended: none
6	<b>Forms of examination and requirements for awarding credit points</b>  Project work / comprehensive project planning and final presentation [graded]
7	<b>Further use of the module</b> WNB
8	<b>Module manager and full-time lecturer</b>  Responsible for the module: Prof. Dr.-Ing. Ulrich Nepustil Lecturer: Matthias Pietzner
9	<b>Literature</b> <ul style="list-style-type: none"> <li>• The Scrum Guide, Ken Schwaber &amp; Jeff Sutherland</li> <li>• <a href="http://www.projektmanagementhandbuch.de/cms/projektrealisierung/">http://www.projektmanagementhandbuch.de/cms/projektrealisierung/</a></li> <li>• R. Wagner, N. Grau (Hrsg.): Basiswissen Projektmanagement – Grundlagen der Projektarbeit, 1. Auflage 2013</li> <li>• H. Schelle, R. Ottmann, A. Pfeifer: Projekt Manager, GPM 2018</li> <li>• S. Rietiker, R. Wagner (Eds.): Theory Meets Practice in Projects, 2nd Edition 2017</li> <li>• ICB – IPMA Competence Baseline, version 3.0, Nijkerk 2006 (new version in 2016)</li> <li>• ICB – IPMA Individual Competence Baseline, version 4.0, 1. Edition 2017</li> <li>• Kerzner, Harold: Projektmanagement, ein systemorientierter Ansatz zur Planung und Steuerung, 2. Auflage, Bonn 2008</li> <li>• Walter Jakoby: Intensivtraining Projektmanagement: Ein praxisnahes Übungsbuch für den gezielten Kompetenzaufbau, Springer Verlag, Wiesbaden 2015</li> <li>• D. Dörner: Die Logik des Misslingens, Reinbek 1989 - 2011 (also available as eBook)</li> </ul>
10	<b>Last updated</b> 07.02.2025