

Valid from 2025.HS

<b>Module description: Agile IT Organization</b>	
<b>Module Code</b>	w.MA.XX.AITO.20HS
<b>ECTS Credits</b>	3
<b>Language of Instruction/Examination</b>	German
<b>Module Description</b>	This module focuses on the ongoing development of IT work and organizational structures to enable faster responses to customer needs and business requirements. It also aims to improve the fulfillment of IT employee expectations. The key concepts of modern working methods and agile organizational models in IT are examined and compared. The aim is to develop an understanding of the possibilities that exist in IT organizational development between structuring and liberalization and how these are reflected in everyday operations and IT culture.
<b>Organizational Unit</b>	Institut für Wirtschaftsinformatik
<b>Module Coordinator</b>	Christian Russ
<b>Program and Specialization</b>	<ul style="list-style-type: none"> <li>• Accounting and Controlling</li> <li>• Business Information Technology</li> </ul>
<b>Legal Framework</b>	Academic Regulations MSc in Business Information Technology dated 22.08.2019, Appendix to the Academic Regulations for the degree program in Business Information Technology, first adopted on 10.07.2012
<b>Module Category</b>	<b>Module Type</b> Compulsory Elective
<b>Prerequisite Knowledge</b>	<ul style="list-style-type: none"> <li>- Basic knowledge of business administration, in particular the structural and procedural organizations</li> <li>- IT service management; foundations of ITIL</li> <li>- Basic knowledge of traditional project management</li> <li>- Basic knowledge of traditional methods of software development</li> </ul>
<b>Contribution to Program Learning Objectives (by the concerned Module)</b>	<ul style="list-style-type: none"> <li>• Professional Competence</li> <li>• Methodological Competence</li> <li>• Social Competence</li> <li>• Self-Competence</li> </ul>
<b>Contribution to Program Learning Objectives</b>	<p><b>Professional Competence</b></p> <ul style="list-style-type: none"> <li>• Knowing and Understanding Content of Theoretical and Practical Relevance</li> <li>• Apply, Analyze, and Synthesize Content of Theoretical and Practical Relevance</li> <li>• Evaluate Content of Theoretical and Practical Relevance</li> </ul> <p><b>Methodological Competence</b></p> <ul style="list-style-type: none"> <li>• Problem-Solving &amp; Critical Thinking</li> <li>• Scientific Methodology</li> <li>• Work Methods, Techniques, and Procedures</li> <li>• Information Literacy</li> <li>• Creativity &amp; Innovation</li> </ul> <p><b>Social Competence</b></p> <ul style="list-style-type: none"> <li>• Written Communication</li> <li>• Oral Communication</li> <li>• Teamwork &amp; Conflict Management</li> <li>• Intercultural Insight &amp; Ability to Change Perspective</li> </ul> <p><b>Self-Competence</b></p> <ul style="list-style-type: none"> <li>• Self-Management &amp; Self-Reflection</li> <li>• Ethical &amp; Social Responsibility</li> <li>• Learning &amp; Change</li> </ul>

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Module Learning Objectives	Students... <ul style="list-style-type: none"><li>• develop an advanced understanding of the definitions, basic principles, and goals of an organization.</li><li>• determine and understand drivers and necessities for the continuous development of the IT organization.</li><li>• get to know traditional and modern forms of IT organization.</li><li>• learn about and evaluate agile IT management frameworks.</li><li>• identify and apply agile methods and techniques to use in IT.</li></ul>																																						
Module Content	<ul style="list-style-type: none"><li>• Definition, differentiation, and application of the concepts of organization and agility</li><li>• The organizational culture as the link between the formal and informal organization</li><li>• Discussion and comparison of agile IT management frameworks</li><li>• Agile IT methods, techniques, and applications</li><li>• Interrelationship of all dimensions: transformation of the IT organization in the future</li></ul>																																						
Links to other modules	This module is linked to the following modules:																																						
Digital Learning Resources	<ul style="list-style-type: none"><li>• Teaching Videos</li><li>• Practice and Application Exercises (with Key)</li><li>• Case Studies (with Key)</li></ul>																																						
Methods of Instruction	<ul style="list-style-type: none"><li>• Application Tasks</li><li>• Case Studies</li><li>• Literature Review</li><li>• Explorative Learning</li><li>• Interactive Instruction</li><li>• Lecture</li></ul>		Social Settings Used: <ul style="list-style-type: none"><li>• Group Work</li><li>• Pair Work</li></ul>																																				
Type of Instruction	<table><tr><th></th><th>Classroom Instruction</th><th>Guided Self-Study</th><th colspan="2">Autonomous Self-Study</th></tr><tr><td>Lecture</td><td>28 h</td><td>24 h</td><td colspan="2"></td></tr><tr><td>Excercise</td><td>-</td><td>-</td><td colspan="2"></td></tr><tr><td>Project Work</td><td>-</td><td>-</td><td colspan="2"></td></tr><tr><td>Seminar</td><td>-</td><td>-</td><td colspan="2"></td></tr><tr><td>Total</td><td>28 h</td><td>24 h</td><td colspan="2">38 h</td></tr></table>					Classroom Instruction	Guided Self-Study	Autonomous Self-Study		Lecture	28 h	24 h			Excercise	-	-			Project Work	-	-			Seminar	-	-			Total	28 h	24 h	38 h						
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Performance Assessment	<table><tr><th>End-of-module exam</th><th>Form</th><th>Length (min.)</th><th colspan="2">Weighting</th></tr><tr><td>-</td><td></td><td></td><td colspan="2"></td></tr><tr><th>Permitted Resources</th><td colspan="4"></td></tr></table> <table><tr><th>Others</th><th>Assessment</th><th>Format</th><th>Length (min.)</th><th>Weighting</th></tr><tr><td>Further performance assessments</td><td>Pass/Fail</td><td>Einzelarbeit</td><td>0</td><td>0.00</td></tr><tr><td>Group assignment</td><td>Grade</td><td>Gruppenarbeit</td><td>0</td><td>100.00</td></tr><tr><td>Talk/oral presentation</td><td>Pass/Fail</td><td>Partnerarbeit</td><td>30</td><td>0.00</td></tr></table>				End-of-module exam	Form	Length (min.)	Weighting		-					Permitted Resources					Others	Assessment	Format	Length (min.)	Weighting	Further performance assessments	Pass/Fail	Einzelarbeit	0	0.00	Group assignment	Grade	Gruppenarbeit	0	100.00	Talk/oral presentation	Pass/Fail	Partnerarbeit	30	0.00
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Classroom Attendance Requirement	None																																						
Compulsory Reading	<ul style="list-style-type: none"><li>• Johanning, V. Organisation und Führung der IT. 2021st edition. Springer. ISBN 9783658120085. If this book is not yet available officially from springer.com, the author will provide an alternative version.</li><li>• Hasebrook, J., Kirmße, S. &amp; Fürst, M. (2019). Wie Organisationen erfolgreich agil werden. Springer. ISBN 9783658268107.</li></ul>																																						

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### Recommended Reading

- Moran, A. (2015). Managing Agile - Strategy, Implementation, Organisation and People. Springer. ISBN 978-3-319-16262-1.
- Hanschke, I. (2017). Agile in der Unternehmenspraxis. Springer. ISBN 9783658191580.
- Meyer, B. (2014). Agile! The Good, the Hype and the Ugly. Springer. ISBN 978-3-319-05155-0.

### Comments