

Valid from 2025.HS

Module description: Applied Research: Projects	
Module Code	w.MA.XX.AFE-P.20HS
ECTS Credits	6
Language of Instruction/Examination	English
Module Description	Based on the contents of "AF&E Cases und Exercises" - the first of the two modules - students continue to work on their projects using scientific methods. The research can be of an empirical and/or conceptual/theoretical nature. The project task may involve the development of an artifact (i.e., method, model, or prototyp), which constitutes the project outcome or serves as proof of concept. While working on their projects, students apply their knowledge in scientific methodologies they have acquired in earlier modules to a larger, real-world project and consolidate what they have learned.
Organizational Unit	Institut für Wirtschaftsinformatik
Module Coordinator	Mike Krey
Program and Specialization	<ul style="list-style-type: none"> • Business Information Technology
Legal Framework	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
Module Category	Module Type Compulsory
Prerequisite Knowledge	<ul style="list-style-type: none"> • aF+E Cases and Exercises • Applied Research Methods • Design Science
Contribution to Program Learning Objectives (by the concerned Module)	<ul style="list-style-type: none"> • Professional Competence • Methodological Competence • Social Competence • Self-Competence
Contribution to Program Learning Objectives	<p>Professional Competence</p> <ul style="list-style-type: none"> • Knowing and Understanding Content of Theoretical and Practical Relevance • Apply, Analyze, and Synthesize Content of Theoretical and Practical Relevance • Evaluate Content of Theoretical and Practical Relevance <p>Methodological Competence</p> <ul style="list-style-type: none"> • Problem-Solving & Critical Thinking • Scientific Methodology • Work Methods, Techniques, and Procedures • Information Literacy • Creativity & Innovation <p>Social Competence</p> <ul style="list-style-type: none"> • Written Communication • Oral Communication • Teamwork & Conflict Management • Intercultural Insight & Ability to Change Perspective <p>Self-Competence</p> <ul style="list-style-type: none"> • Self-Management & Self-Reflection • Ethical & Social Responsibility • Learning & Change

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Module Learning Objectives	Students... <ul style="list-style-type: none">• are able to deal with applied research project tasks and complete them using scientifically sound methods.• are able to critically assess their work in the context of an applied research project and adapt their approach, if necessary, or reject results already produced in order to develop new ones.• are able to critically evaluate the research and development projects of others and justify their views.• are able to accept criticism of their own work, respond appropriately, and implement changes, if necessary.																																											
Module Content	<ul style="list-style-type: none">• Drafting a research proposal (what needs to be dealt with)• Developing a research design (how to generate achievable results)• Preparing and giving a presentation of interim results• Writing a peer review on another group’s project• Writing a response to the peer review by another group• Deducing the lessons learnt from the project																																											
Links to other modules	This module is linked to the following modules: <ul style="list-style-type: none">• w.MA.XX.AFM.20HS• w.MA.XX.AFE-FÜ.20HS• w.MA.XX.DSC.20HS																																											
Digital Learning Resources	<ul style="list-style-type: none">• Literature (books, articles) recommended by instructors as necessary																																											
Methods of Instruction	<ul style="list-style-type: none">• Project Work• Problem-Oriented Teaching		Social Settings Used: <ul style="list-style-type: none">• Group Work																																									
Type of Instruction	<table><tr><td></td><td>Classroom Instruction</td><td>Guided Self-Study</td><td colspan="2">Autonomous Self-Study</td></tr><tr><td>Lecture</td><td>-</td><td>-</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>0 h</td><td>0 h</td><td colspan="2">180 h</td></tr></table>					Classroom Instruction	Guided Self-Study	Autonomous Self-Study		Lecture	-	-			Excercise	-	-			Project Work	-	-			Seminar	-	-			Total	0 h	0 h	180 h											
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Classroom Attendance Requirement	Other Attendance at interim presentations is mandatory.																																											
Compulsory Reading																																												
Recommended Reading																																												
Comments																																												