

<b>Module description: Evaluation of Health Tech Solutions</b>			
<b>Module Code</b>	t.BA.MI.PM2.23HS		
<b>ECTS Credits</b>	4		
<b>Language of Instruction/Examination</b>	German		
<b>Organizational Unit</b>	Leitung Lehre		
<b>Module Coordinator</b>	Hans-Peter Hutter		
<b>Legal Framework</b>	The module description is part of the legal basis in addition to the general academic regulations. It is binding. During the first week of the semester a written and communicated supplement can specify the module description in more detail.		
<b>Module Characteristic</b>	Type 4*  4 lab lessons per semester week and half-class		
<b>Module Description</b>	In this module, you will work in a team to evaluate an existing health tech solution formatively and summatively in accordance with DIN IEC 62366-1 with regard to user requirements, usability and risks for the target groups addressed. You will develop suggestions for improvement and implement them as a prototype.		
<b>Module Content</b>	<ul style="list-style-type: none"> <li>In a team of 3-4 students, the students evaluate an existing health tech solution and the associated operating procedures in terms of usability and risks in accordance with DIN IEC 62366-1</li> </ul> <p><b>User and Context Research</b></p> <ul style="list-style-type: none"> <li>Students study the target groups of the chosen health tech solution, its context and the pains and risks associated with the chosen health tech solution.</li> </ul> <p><b>Requirement Analysis</b></p> <ul style="list-style-type: none"> <li>Based on their findings from the user research, the students systematically determine the requirements for the health tech solution.</li> </ul> <p><b>Usability- and Risk-Evaluation</b></p> <ul style="list-style-type: none"> <li>The students evaluate the selected health tech solution formatively and summatively based on the requirements. They develop suggestions for improving the health tech solution that better address the risks to users.</li> </ul>		
<b>Prerequisite Knowledge</b>			
<b>Learning Objectives (Competences)</b>	<b>Students...</b>	<b>Competencies</b>	<b>Taxonomies</b>
	Students can systematically evaluate the usability and risks of health tech solutions in accordance with DIN IEC 62366-1.	M	K4
	Students can systematically analyse and document operational processes around existing health tech solutions.	M	K4
	In a user research, students are able to systematically identify the requirements of health tech solutions from the user's perspective and document them appropriately.	M	K4
	Students can develop suggestions for improving the existing health tech solution and communicate their advantages appropriately.	M	K5

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<b>Performance Assessment</b>	<b>End-of-module exam</b>	<b>Assessment</b>	<b>Length (min.)</b>	<b>Weighting</b>	<b>Form</b>
	other			0	
	<b>Performance assessment during the semester</b>				
	<b>Performance assessment during the semester</b>	<b>Assessment</b>	<b>Length (min.)</b>	<b>Weighting</b>	<b>Form</b>
	Milestone assessments <i>The submissions for the four milestones are assessed. The average of these assessments results in the module grade.</i>	Grade		100	acc. to module agreement
<b>Classroom Attendance Requirement</b>	None The presentations on the milestones will take place on site.				
<b>Learning material</b>	<ul style="list-style-type: none"> <li>Theory input on the milestone tasks</li> </ul>				
<b>Comments</b>					