

Module description: Case Studies on Operations Management and Data Analysis				
Module Code	t.BA.WI.PM4.19HS			
ECTS Credits	4			
Language of Instruction/Examination	German			
Organizational Unit	IDP			
Module Coordinator	Richard Bödi			
Legal Framework	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.			
Module Characteristic	Type 4* 4 lab lessons per semester week and half-class			
Module Description	Students implement a software prototype in the area of operations management, data analysis or finance. The intention is to deepen their knowledge of Python or R (Shiny) and to serve as preparation for their project work and Bachelor thesis in their last year of study.			
Module Content	<ul style="list-style-type: none"> Create a proof-of-concept, including documentation, within the scope of the proposal from the PM3 project module using the programming languages R or Python. 			
Prerequisite Knowledge	None			
Learning Objectives (Competences)	Students...	Competencies	Taxonomies	
	Step-by-step interactive development of individual software components. Documentation of progress and worksteps.	M	K3	
	Independent extension of the developed software solution by adding additional components.	M	K3	
	You can define the responsibilities and tasks tied to their role, as well as fulfill them quantitatively, qualitatively, and in a timely manner.	M	K3	
	You actively and constructively participate in project meetings. In particular, you identify problems within the team or project and address them constructively.	M	K3	
Performance Assessment	End-of-module exam	Assessment	Length (min.)	Weighting
	other			100
	Performance assessment during the semester	Assessment	Length (min.)	Weighting
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Classroom Attendance Requirement	None			
Learning material				
Comments				