

<b>Module description: Clinical Information Systems</b>						
<b>Module Code</b>	t.BA.MI.KLINF.23HS					
<b>ECTS Credits</b>	4					
<b>Language of Instruction/Examination</b>	German					
<b>Organizational Unit</b>	InIT					
<b>Module Coordinator</b>	Philipp Ackermann					
<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 3a  2 lecture lessons per semester week and class+ 2 lab bi-weekly lessons per semester and half-class					
<b>Module Description</b>	Clinical information systems are software applications that manage patient data and automate clinical processes. They support medical documentation and communication between healthcare professionals and patients.					
<b>Module Content</b>	<ul style="list-style-type: none"> <li>- Medical practice software - Clinical information systems (CIS) - Administrative information systems - Patient data management systems (PDMS) - Clinical data repositories - Patient portals and apps - System architecture - Model-driven development - Software development with Java</li> </ul>					
<b>Prerequisite Knowledge</b>						
<b>Learning Objectives (Competences)</b>	<b>Students...</b>		<b>Competencies</b>	<b>Taxonomies</b>		
	know the most important information systems used in healthcare.		F	K2		
	can classify the requirements for function, stability and reliability of IT solutions in the medical environment.		F, M	K2, K4		
	understand the complexity of the system landscape in a hospital and the needs of the integration infrastructure.		F	K4, K5, K6		
	can apply modeling (MDD) and programming (Java) of IT solutions in the business environment.		F, M	K2, K3, K4		
<b>Performance Assessment</b>	<b>End-of-module exam</b>	<b>Assessment</b>	<b>Length (min.)</b>	<b>Weighting</b>	<b>Form</b>	
	written exam	Grade	90	70	acc. to module agreement	
	<b>Performance assessment during the semester</b>		<b>Assessment</b>	<b>Length (min.)</b>	<b>Weighting</b>	<b>Form</b>
	Lab Work		Grade		30	acc. to module agreement
<b>Classroom Attendance Requirement</b>	None  but expected					
<b>Learning material</b>	<ul style="list-style-type: none"> <li>Lecture notes (presentation slides as PDF in English)</li> </ul>					
<b>Comments</b>						