



Valid from 2026.HS

<b>Module description: Medical Ethics and Safety</b>			
<b>Module Code</b>	t.BA.MI.MESA.23HS		
<b>ECTS Credits</b>	4		
<b>Language of Instruction/Examination</b>	German		
<b>Organizational Unit</b>	IEM Ltg.		
<b>Module Coordinator</b>	Melanie Werren		
<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 2a  4 consecutive lecture lessons per semester week and class		
<b>Module Description</b>	Digitization in health care, health apps, online diagnostics, patient dossiers, big data in clinical research... Medical informatics also affects ethical and safety aspects. The module includes a basic introduction to medical ethics and safety. Basic ethical concepts and theories are developed on the basis of various use cases.		
<b>Module Content</b>	<b>Basis concepts and theories of medical ethics</b>  <b>Biomedical principles</b>  <b>Medical ethics and data</b>  <b>Medical ethics and artificial intelligence</b>  <b>Research ethics</b>  <b>Professional ethics</b>  <b>Safety Aspects</b>		
<b>Learning Objectives (Competencies)</b>	<b>Students...</b>	<b>Competencies</b>	<b>Taxonomies</b>
	The students can deduce what security relevance an application has and what this means for their own role in development and application.	M, F	K2, K3, K6
	The students can explain and reflect on central topics of "safety" in the field of medical informatics.	F, M	K2, K3
	The students are able to explain and apply basic concepts and theories of medical ethics.	F	K1, K2
	The Students can reflect and work on medical ethical issues in use cases with reference to medical ethical theories.T	F, M	K2, K3, K6

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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>Social Form</b>	<b>Scenario/Format</b>
	written exam		60	80%	acc. to module agreement	
		<b>Assessment</b>	<b>Length (min.)</b>	<b>Weighting</b>	<b>Social Form</b>	<b>Scenario/Format</b>
	written exam	Grade	30	20%	acc. to module agreement	
<b>Classroom Attendance Requirement</b>	None					
<b>Comments</b>	<p>The proof of performance of the module consists of two parts: <b>LNW A:</b> Individual written assignment completed during the course. Of the twelve possible assessments, the ten best will be averaged to determine the grade. <b>LNW B:</b> Written Moodle exam on the course material. <b>Overall grade:</b> The module grade is calculated proportionally (as shown above) from the grades achieved in LNW A and LNW B. <b>Written resit:</b> Students with an insufficient module grade who have completed both parts of the module assessment are eligible to take the resit.</p>					