

Module Health Technology Assessment

Module Name: Health Technology Assessment

Module Number	X4M 2230	Level	Master	Short Name	HTA
Responsible Lecturers	Dr. Dagmar Lühmann				
Department, Facility	UKE (external)				
Course of Studies	Biomedical Engineering, Master				
Compulsory/elective	Elective	ECTS Credit Points	2		
Semester of Studies	2	Semester Hours per Week	2		
Length (semesters)	1	Workload (hours)	60		
Frequency	SuSe	Presence Hours	25		
Teaching Language	English	Self-Study Hours	35		
Consideration of Gender and Diversity Issues	<input checked="" type="checkbox"/> Use of gender-neutral language (THL standard) <input type="checkbox"/> Target group specific adjustment of didactic methods <input type="checkbox"/> Making subject diversity visible (female researchers, cultures etc.)				
Applicability	Biomedical Engineering				
Remarks	None				

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Course 1: Health Technology Assessment Lecture

Course Number		Short Name	HT
Course Type	Lecture	Form of Learning	Presence
Mandatory Attendance	<input type="checkbox"/>	ECTS Credit Points	2
Participation Limit	None	Semester Hours per Week	2
Group Size (practical training, exercises, ...)	None	Workload (hours)	60
Teaching Language	English	Presence Hours	25
Study Achievements („Studienleistung“, SL)	None	Self-Study Hours	35
SL Length (minutes)	n. a.	SL Grading System	n. a.
Exam Type	Written Exam	Exam Language	English
Exam Length (minutes)	90	Exam Grading System	One-third Grades
Learning Outcomes	<p>The students know about the role of Health Technology Assessment HTA during decision-making-processes in the healthcare-system</p> <p>The students know structure, methods and typical contents of Health Technology Assessments.</p> <p>The students are able to judge about the scientific value of HTA reports. The students are enabled to design a record for a HTA</p>		
Participation Prerequisites	None		
Contents	<p>Introduction to Technology Assessment, History, International Developments and Collaborations, relation to industry and politics</p> <p>Basics of Epidemiology; prototypic description of diseases: severity, course, outcomes; determination of the "burden of illness"; examples</p> <p>Description of technologies: technical characteristics and functioning; requirements for its use; "Life cycle" of technologies (e.g. diffusion, patterns of use, regulatory status)</p> <p>Assessing safety, efficacy, effectiveness of diagnostic technologies – with a special focus on medical devices</p> <p>Assessing safety, efficacy, effectiveness of therapeutic and / or preventive interventions - with a special focus on medical devices, Basics of Health economics; Social and ethical implications of technology use Drawing conclusions, Information resources</p>		

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Literature	Goodman CS. HTA 101: Introduction to Health Technology Assessment. Bethesda, MD: National Library of Medicine (US); 2014. https://www.nlm.nih.gov/nichsr/hta101/HTA_101_FINAL_7-23-14.pdf
Remarks	LCD-projector, guidelines, standards, board, databases