

Module Quality Management in Healthcare

Module Name: Quality Management in Healthcare

Module Number	X4M 2240	Level	Master	Short QM Name
Responsible Lecturers	Prof. Dr.-Ing. Wen-Huan Wang			
Department, Facility	THL, Applied Natural Sciences			
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: Quality Management in Healthcare Lecture and project

Course Number		Short Name	QM
Course Type	Lecture and project	Form of Learning	Presence
Mandatory Attendance	<input checked="" 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>about processes and problems concerning international management and marketing.</p> <p>The students are prepared for executive functions in their future career.</p> <p>The students are able to use techniques of quality management and integrate these techniques into projects.</p>		
Participation Prerequisites	None		
Contents	<ul style="list-style-type: none"> • Principles of QM • Specialities of health care organizations • Problem-solving-techniques (exercises): • Quality Tools Q7 • Management Tools M7 • Quality Function Deployment /House of Quality • Process Optimization • Total Quality Management • European Foundation of Quality Management (EFQM) • DIN EN ISO 9001 • Audit and certification • Systematic procedures to introduce QM 		
Literature	<p>ISO 13485 - Medical devices – Quality management systems – Requirements for regulatory purposes ISO 9000 - Quality management systems - Fundamentals and vocabulary ISO 9001 - Quality management systems - Requirements ISO 9004 - Quality management systems - Guidelines for performance improvements ISO 19011 - Guidelines for auditing management systems Pfeifer, Tilo</p>		

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(2002): Quality management: strategies, methods, techniques. München [u.a.]: Hanser Oakland, John S. (2012): Oakland on quality management. Boston: Elsevier/Butterworth-Heinemann

Remarks	None
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