

Module title		Abbreviation
Fundamentals of Tissue Engineering and Quality Management		03-SP1A2-152-m01
Module coordinator		Module offered by
holder of the Chair of Regenerative Medicine and holder of the Chair of Functional Materials in Medicine and Dentistry		Faculty of Medicine
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	graduate	--
Contents		
Tissue engineering of complex constructs: supply, hypoxia, nutrient diffusion, extracellular matrix, supply of nerves and blood vessels. Risk analysis according to ISO 17025: 2005, biological evaluation of medical devices according to DIN EN ISO 10993.		
Intended learning outcomes		
Students are familiar with the fundamental principles of tissue engineering and quality management.		
Courses (type, number of weekly contact hours, language – if other than German)		
V (2) + P (1)		
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
a) report on practical course (approx. 10 pages) and b) written examination (approx. 90 minutes) or presentation (approx. 30 minutes) Language of assessment: German and/or English		
Allocation of places		
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Additional information		
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Workload		
150 h		
Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
Master's degree (1 major) Biofabrication (2015)		