

Module name					
Cell Biology and Physiology for Medical Technology II					
Module nr. 18-mt-1022	Credit points 3 CP	Workload 90 h	Self study 45 h	Module duration 1 Term	Module cycle Summer term
Language German			Module owner Prof. Dr. Ingrid Fleming		
1	Teaching content Building on the basic biochemical and physiological topics in the module "Cell Biology and Physiology for Medical Technology 1", the more complex topics of integrative and sensory physiology are taught. Students will be provided insight into the performance of the human sensory organs and the principles of hormonal regulation and metabolism. Building on this, the students are introduced to some pathophysiological functional correlations relevant to common clinical conditions and thus of clinical relevance.				
2	Learning objectives After successful completion of this module, students should be able to understand basic physiological relationships and apply these to the development and evaluation of biomedical diagnostic and therapeutic systems. On the basis of their understanding of the function of the sensory organs and processes acquired in this module, students should be able to discuss medical content with medical professionals and laypersons, as well as to understand basic biomedical literature.				
3	Recommended prerequisites for participation Module "Cell Biology and Physiology for Medical Technology I"				
4	Form of examination Module exam: <ul style="list-style-type: none"> • Module exam (Technical examination, Examination, Duration: 90 Min., Default RS) 				
5	Prerequisite for the award of credit points Passing the final module examination				
6	Grading Module exam: <ul style="list-style-type: none"> • Module exam (Technical examination, Examination, Weighting: 100 %) 				
7	Usability of the module				
8	Grade bonus compliant to §25 (2)				
9	References Mensche: Biologie Anatomie und Physiologie, Elsevier-Verlag Accompanying materials				
Courses					
	Course Nr. 18-mt-1022-iv	Course name Cell Biology and Physiology for Medical Technology II			
	Instructor Prof. Dr. Ingrid Fleming			Type Integrated course	SWS 3