

Diagnostics in Selected Fields of Medicine					
Module Code	Workload 180 hrs.	Credits 6	Semester 2	Frequency of Module Each semester	Duration 1 Semester
1	Module Components a) Internal Medicine / General Medicine b) Pathology	Teaching Language a) English b) English	Contact Hours a) 22,5 hrs. b) 22,5 hrs.	Self Study a) 67,5 hrs. b) 67,5 hrs.	Class Size a) 15 b) 15
2	Learning Outcomes After successful participation in the module the students ... Analysis (4) ... classify diagnostic techniques by their application in particular fields of medicine ... distinguish between various disease areas in 1)internal medicine 2)general medicine 3)neurology ... identify pathological processes Evaluation (6) ... evaluate diagnostic techniques with respect to their diagnostic value				
3	Individual Component Content a) Pathogenesis, pathology and clinical diagnostics of various diseases from the fields of internal and general medicine b) Pathology: methods and clinical diagnostics in pathology, typical application areas and findings				
4	Teaching Methods a) Seminar b) Lecture				
5	Prerequisites Knowledge in pathophysiology and physiology basic knowledge in electrophysiology (development of actionpotential, function of cell membrane, ionchannels) laboratory diagnostics and imaging methods				
6	Methods of Assessment a) Graded Assessment 1sbL (Laboratory) (3 LP) b) Graded Assessment 1K (Written Exam) (3 LP)				

7	Applicability of Module Precision Medicine Diagnostics M.Sc. (PMD)
8	Person Responsible for Module Prof. Dr. Meike Burger (Module Responsible) Prof. Dr. Meike Burger (Lecturer) Prof. Dr. Katja Kumle (Lecturer)
9	Reading List (Core Texts and Recommended Texts) a) Herold G: Innere Medizin 2013 Comber und Klimm: Allgemeinmedizin, Thieme Verlag b) Siegfried Schwarz: Pathophysiologie: Molekulare, zelluläre, systemische Grundlagen von Krankheiten, Maudrich Verlag Riede, Werner, Freudenberg: Basiswissen Allgemeine und Spezielle Pathologie, Springer Verlag