

Module title		Abbreviation
Clinical Neurobiology		03-PSY-MA-KN-1-212-m01
Module coordinator		Module offered by
Inhaber/-in der Professur für Klinische Neurobiologie		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		
<p>Students will get a theoretical introduction to neurobiology and clinical neurobiology. The following topics will be discussed: introduction to neurons and glia, ion channels and membrane potential, ion channelopathies, synapses, transmitter release, NMJ, myasthenia gravis, cerebellum, basal ganglia, ataxia and Morbus Parkinson, somatosensory system, touch, pain, schizophrenia and autism spectrum disorders, disorders of cognition, muscle and muscle diseases, anatomy and function of the motor system, spinal reflexes, motoneuron diseases, hippocampus, learning and memory, anterograde amnesia, visual agnosia, cortex and the limbic system, emotions, disorders of conscious and unconscious mental processes, attention, smell and taste and hearing, sleep, EEG, epilepsy, vision and diseases of the visual system. The literature seminars are based on fundamental literature on lecture-relevant topics to document the experiments underlying our present knowledge in neurobiology.</p>		
Intended learning outcomes		
<p>Students who successfully completed this module will have acquired insights into current theoretical concepts in neurobiology. The students will examine clinical aspects of neurobiology with a focus on the molecular, cellular and physiological mechanisms. Additionally, they will have learned how to evaluate and present data in oral form.</p>		
Courses (type, number of weekly contact hours, language — if other than German)		
V (2)		
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
<p>written examination (approx. 90 minutes) Language of assessment: German and/or English</p>		
Allocation of places		
<p>Max. 8 Should the number of applications exceed the number of available places, places will be allocated as follows: Applicants who have not yet achieved any of the required ECTS credits in the respective sub-area of mandatory electives will be given preferential consideration. The remaining places, if and when any become available, will be allocated to applicants who already have achieved ECTS credits. Within these groups, places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. Should there be, within one subject, several modules with a restricted number of places, the result of the selection process for one module will also apply to all other modules.</p>		
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) Psychology (2022)
exchange program Psychology (2023)