

<b>Module title</b>		<b>Abbreviation</b>
Clinical Neurobiology		o6-PSY-MA-KN-122-mo1
<b>Module coordinator</b>		<b>Module offered by</b>
Inhaber/-in der Professur für Klinische Neurobiologie		Institute of Psychology
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
10	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	graduate	By way of exception, additional prerequisites are listed in the section on assessments.
<b>Contents</b>		
<p>This module provides a theoretical introduction to and in-depth study of neurobiology and clinical neurobiology. The following topics will be discussed: introduction to neurons and glial cells, ion channels and membrane potential, channelopathies, synapses, transmitter release, NMJ, myasthenia gravis, cerebellum, basal ganglia, ataxia and Morbus Parkinson, somatosensory system, touch, pain, schizophrenia and autism spectrum disorders, cognitive disorders, muscle and muscular diseases, anatomy and function of the motor system, spinal reflexes, motor neurone diseases, hippocampus, learning and memory, anterograde amnesia, visual agnosia, cortex and limbic system, emotions, disorders of conscious and unconscious mental processes, attentiveness disorders, smell, taste and hearing, sleep, EEG, epilepsy, vision and disorders of the visual system. The literature seminars are based on fundamental literature on topics relevant to the lecture and serve to document the experiments underlying our present knowledge of neurobiology.</p>		
<b>Intended learning outcomes</b>		
<p>Students will get a theoretical introduction into the neurobiology and clinical neurobiology. Topics are: Introduction to Neuron 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 and 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 seminar bases on fundamental literature of lecture-relevant topics to document the experiments underlying our present knowledge in neurobiology.</p>		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
<p>This module comprises 2 module components. Information on courses will be listed separately for each module component.</p> <ul style="list-style-type: none"> <li>o6-PSY-MA-KN-1-122: V (no information on SWS (weekly contact hours) and course language available)</li> <li>o6-PSY-MA-KN-2-122: S (no information on SWS (weekly contact hours) and course language available)</li> </ul>		
<b>Method of assessment</b> (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
<p>Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.</p> <p><b>Assessment in module component o6-PSY-MA-KN-1-122: Clinical Neurobiology</b></p> <ul style="list-style-type: none"> <li>5 ECTS, Method of grading: numerical grade</li> <li>written examination (90 minutes)</li> </ul> <p><b>Assessment in module component o6-PSY-MA-KN-2-122: Literature Course Clinical Neurobiology</b></p> <ul style="list-style-type: none"> <li>5 ECTS, Method of grading: numerical grade</li> <li>presentation (approx. 15 minutes, in small groups)</li> <li>Language of assessment: English</li> <li>Other prerequisites: Attendance of the lecture Klinische Neurobiologie (Clinical Neurobiology) - either simultaneously with the seminar or in an earlier semester - is a prerequisite for participation in the module component.</li> </ul>		

**Allocation of places**

Number of places: max. 8. 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 module, several module components with a restricted number of places, the result of the selection process for one module component will also apply to all other module components.

**Additional information**

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**Workload**

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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 (2012)