psy181 - Neurocognition

Module label: Neurocognition  
Module code: psy181  
Credit points: 6.0 KP  
Workload: 180 h  
Used in course of study: Master’s Programme Neurocognitive Psychology  
Contact person: Module responsibility
  - Christiane Margarete Thiel

Entry requirements: Enrolment in Master’s programme Neurocognitive Psychology.

Skills to be acquired in this module: 
Goals of module: Students should be able to recognize and critically evaluate the value of considering neuroscience in the study of psychological topics.

Competencies: 
++ neuropsychological / neurophysiological knowledge  
++ interdisciplinary knowledge & thinking  
++ data presentation & discussion  
++ scientific literature  
+ scientific communication skills  
+ group work

Module contents: Students will first acquire a general understanding of the brain mechanisms of different cognitive functions and the methods used to study these functions. They will then apply this knowledge by discussing current research topics (part 1). General knowledge will be focused on the relation between the development of the human brain and the cognitive processes it supports (part 2). 

Part 1: Introduction to cognitive neuroscience (lecture and seminar) 
- Brain and cognition, methods of cognitive neuroscience  
- Attention, learning and memory  
- Emotional and social behaviour  
- Language, executive functions

Part 2: Neurocognitive development (seminar) 
- Brain development and cortical plasticity  
- Effects of early-life stress on brain development  
- Development of object recognition, social cognition, memory, and executive functions

Reader’s advisory: 

Links: 
Language of instruction: English  
Duration (semesters): 1 Semester  
Module frequency: The module will be offered every winter term.  
Module capacity: 20 ( 
  Part 1 (lecture and seminar) are unrestricted, part 2 is restricted to 20 students. 
)

Modulelevel: MM (Mastermodul / Master module)  
Modulart: Wahlpflicht / Elective  
Lern-/Lehrform / Type of program: Part 1: lecture and seminar; Part 2: seminar  
Vorkenntnisse / Previous knowledge: 

Examination: Time of examination in the term holidays (usually March).  
Type of examination: The module will be tested with a written exam of 2 h duration on the contents of part 1. Bonus for a presentation and participation in
<table>
<thead>
<tr>
<th>Course type</th>
<th>Comment</th>
<th>SWS</th>
<th>Frequency</th>
<th>Workload attendance</th>
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</thead>
<tbody>
<tr>
<td>Lecture</td>
<td></td>
<td>1.00</td>
<td>WiSe</td>
<td>14 h</td>
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<tr>
<td>Seminar</td>
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<td>3.00</td>
<td>WiSe</td>
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**Total time of attendance for the module**

56 h