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 > Master module
Contact person  
  Module responsibility  Christiane Margarete Thiel
Entry requirements  Enrolment in Master’s programme Neurocognitive Psychology.
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

Skills to be acquired in this module  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.)
Modullevel  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  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

Final exam of module  in the term holidays (usually March).
<table>
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<tr>
<th>Course type</th>
<th>Comment</th>
<th>SWS</th>
<th>Frequency</th>
<th>Workload attendance</th>
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<tbody>
<tr>
<td>Lecture</td>
<td>1.00</td>
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<td>Seminar</td>
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**Total time of attendance for the module**

56 h