psy200 - Neuropsychology

Module label: Neuropsychology
Module code: psy200
Credit points: 9.0 KP
Workload: 270 h
Used in course of study:
- Master's Programme Neurocognitive Psychology > Master module

Contact person:
Module responsibility
- Stefan Debener

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

Skills to be acquired in this module
Goals of module:
Students will learn to understand changes in thinking and behaviour that may arise from brain dysfunctions (part 1, 4), acquire specific knowledge on cognitive rehabilitation (part 2), and learn to understand, communicate and evaluate progress in clinical practice and experimental research in neuropsychology (part 3, 4).

Competencies:
++ neuropsychological / neurophysiological knowledge
+ interdisciplinary knowledge & thinking
++ experimental methods
+ data presentation & discussion
++ scientific literature
+ critical & analytical thinking
+ scientific communication skills

Module contents
Part 1: Introduction to Clinical Neuropsychology (lecture)
- Cortical lobes (anatomy, functions, lesion symptoms, neuropsychological tests)
- Higher functions (learning & memory, language, emotion, spatial behavior attention)
- Plasticity and disorders (development, learning and reading disabilities, recovery)

Part 2: Cognitive Neurorehabilitation (seminar)
- Behavioural and neuropsychological approaches
- neurofeedback in neurorehabilitation and ADHD
- memory rehabilitation
- effects of physical activity on cognition
- motor recovery

Part 3: Research Colloquium Clinical and Experimental Neuropsychology (colloquium)
- Presentations covering recent advances in the field of Experimental and Clinical Neuropsychology

Part 4: Topics in Clinical Neuropsychology (seminar; taught partly in German)
- Clinical neuroanatomy
- Neurodegenerative diseases
- Dementia

Reader's advisory

Links
Languages of instruction: English, German
Duration (semesters): 2-3 Semester
Module frequency: The module will be offered every winter term.
Module capacity:
- 30
  - Part 4 is not restricted.

Reference text:
3 CP for each module part, choose 3 out of 4 parts! Part 1 (lecture) is mandatory.

If you want to earn the bonus, you need to use the official bonus sheet to prove your attendance which will be handed to you in the beginning of the winter term.
<table>
<thead>
<tr>
<th>Modulniveau</th>
<th>MM (Mastermodul / Master module)</th>
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<tbody>
<tr>
<td>Modulart</td>
<td>Wahlpflicht / Elective</td>
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<tr>
<td>Lern-/Lehrform / Type of program</td>
<td>Part 1: lecture; Part 2: seminar; Part 3: colloquium; Part 4: seminar</td>
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<td>Vorkenntnisse / Previous knowledge</td>
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<thead>
<tr>
<th>Examination</th>
<th>Time of examination</th>
<th>Type of examination</th>
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<tbody>
<tr>
<td>Final exam of module</td>
<td>exam period at the end of winter term</td>
<td>The module will be tested with a written exam of 2 h duration. Bonus for a presentation and participation in discussions on other presentations and attendance of at least 70% in the seminars and colloquium.</td>
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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></td>
<td>2.00</td>
<td>WiSe</td>
<td>28 h</td>
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<td>Seminar</td>
<td></td>
<td>4.00</td>
<td>SuSe and WiSe</td>
<td>56 h</td>
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<tr>
<td>Colloquium</td>
<td></td>
<td>2.00</td>
<td>SuSe</td>
<td>28 h</td>
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Total time of attendance for the module: 112 h