### psy120 - Psychological diagnostics

<table>
<thead>
<tr>
<th><strong>Module label</strong></th>
<th>Psychological diagnostics</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Module code</strong></td>
<td>psy120</td>
</tr>
<tr>
<td><strong>Credit points</strong></td>
<td>9.0 KP</td>
</tr>
<tr>
<td><strong>Workload</strong></td>
<td>270 h</td>
</tr>
<tr>
<td><strong>Used in course of study</strong></td>
<td>Master's Programme Neurocognitive Psychology &gt; Master module</td>
</tr>
<tr>
<td><strong>Contact person</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### Module responsibility
- Andrea Hildebrandt
- Andreas Hellmann

#### Authorized examiners
- Andrea Hildebrandt
- Andreas Hellmann

#### Module counseling
- Stefan Debener

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

#### Skills to be acquired in this module
**Goals of module:**
Students will acquire specific knowledge about psychological assessment and will be trained to utilize this knowledge within a research context and in applied settings. With respect to research applications they will learn about traditional and modern test theories and about their usage in the domain of test construction and the systematic design of interviews and observational methods. From the perspective of applied assessment, students will reflect on the assessment process as a whole. They will learn how to analyze cases (“case conceptualization”), how to plan and conduct the information assessment phase, how to record and summarize collected data and how to integrate across the multitude of information in order to draw conclusions about the case given specific diagnostic strategies (status vs. process assessment and norm oriented vs. criterion oriented assessment, including classificatory decisions). Finally, students will learn about the requirements of report generation in written an oral form given a specific applied context. Ethical guidelines and quality norms will be an implicit topic in all courses in the module.

**Competencies:**
+ Neuropsychological / neurophysiological knowledge
+ interdisciplinary knowledge & thinking
+ ethics / good scientific practice / professional behavior
+ critical & analytical thinking

#### Module contents
**Part 1: Introduction to Psychological Assessment (lecture)**
- Psychological assessment as a decision process – descriptive and prescriptive models
- Theories of reliability (classical and modern approaches)
- Theories of validity (classical and modern approaches)
- Assessment methods, their construction and design, quality criteria
- The logic of decision making in the assessment process
- Psychometrics to single cases
- Summarizing results and writing reports

**Part 2: Psychological Testing (seminar)**
- Psychometric bases of tests and questionnaires
- Types of tests and questionnaires
- Challenges in psychological testing (for example faking good vs. bad)
- Examples of published tests and questionnaires
- Exercising test applications, scoring and result interpretations

**Part 3: Assessment in Clinical Neuropsychology (seminar)**
- specific knowledge
- exercises in testing / practising tests

#### Reader’s advisory
Will be specified in the courses.

#### Links
Language of instruction: English  
Duration (semesters): 2 Semester  
Module frequency: The module will be offered every winter term.  
Module capacity: unlimited  
Reference text: 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.  
Module level: MM (Mastermodul / Master module)  
Modulart: Pflicht / Mandatory  
Lern-/Lehrform / Type of program: Part 1: 1 lecture; Part 2: 1 seminar; Part 3: 1 seminar  
Vorkenntnisse / Previous knowledge:  

**Examination**  
Final exam of module:  
- Time of examination: summer term  
- Type of examination: The module will be tested by a practical exercise (test application and protocol). Bonus for two presentations or test executions (max.) and attendance of at least 70% in the seminars. Group presentations can be counted as one half.  

<table>
<thead>
<tr>
<th>Course type</th>
<th>Comment</th>
<th>SWS</th>
<th>Frequency</th>
<th>Workload attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture</td>
<td></td>
<td>2.00</td>
<td>WiSe</td>
<td>28 h</td>
</tr>
<tr>
<td>Seminar</td>
<td></td>
<td>4.00</td>
<td>SuSe</td>
<td>56 h</td>
</tr>
</tbody>
</table>

**Total time of attendance for the module:** 84 h