# psy190 - Sex and Cognition

**Module code**: psy190  
**Credit points**: 6.0 KP  
**Workload**: 180 h

**Used in course of study**  
- Master's Programme Neurocognitive Psychology > Master module

**Contact person**  
- Daniel Strüber

**Entry requirements**  
Enrolment in Master’s programme Neurocognitive Psychology.  
Neuroscience students can take part on request.

**Skills to be acquired in this module**

**Goals of module:**  
Students will acquire specific knowledge about sex differences in cognitive abilities and social behaviours. They will be able to understand the interrelated impact of social and biological influences on the brain’s control of the (sex-specific) behaviours. Students should be able to critically evaluate behavioural sex differences from different perspectives and to reflect on possible implications for society.

**Competencies:**  
++ neuropsychological / neurophysiological knowledge  
+ interdisciplinary knowledge & thinking  
++ data presentation & discussion  
++ scientific literature  
+ critical & analytical thinking  
++ scientific communication skills  
+ group work  
+ project & time management

**Module contents**

**Part 1: Introduction to the study of sex differences (lecture)**

- The measurement of sex differences
- Sex differences in emotion
- Sex differences in aggression
- Sex differences in cognitive abilities
- Hormones, sexual differentiation, and gender identity
- Sex hormones and play preferences
- Sex differences in hemispheric organization
- Brain size and intelligence

**Part 2: Sex, brain, and behaviour (seminar)**

- Sex differences in empathy
- The extreme male brain theory of autism (S. Baron-Cohen)
- Sex differences in neuropsychiatric disorders
- Sex differences in stress response
- Social implications of sex differences

**Reader's advisory**


**Links**

**Language of instruction**: English  
**Duration (semesters)**: 1 Semester  
**Module frequency**: The module will be offered every summer term.  
**Module capacity**: 30  
**Modulart**: MM (Mastermodul / Master module)  
**Lern-/Lehrform / Type of program**: Part 1: lecture; Part 2: seminar
### Vorkenntnisse / Previous knowledge

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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>during summer term</td>
<td>The module requires an oral presentation that will be evaluated.</td>
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<table>
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<th>Course type</th>
<th>Comment</th>
<th>SWS</th>
<th>Frequency</th>
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<tbody>
<tr>
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<td></td>
<td>2.00</td>
<td>SuSe</td>
<td>28 h</td>
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<tr>
<td>Seminar</td>
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<td>2.00</td>
<td>SuSe</td>
<td>28 h</td>
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**Total time of attendance for the module**: 56 h