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Overview of modules in M.Sc. Mind, Brain and Behavior

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<tr>
<td>MBB-MA-THM-1</td>
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<td>Theory module (6 CP)</td>
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<td>MBB-MA-THM-2</td>
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<td>MBB-MA-THM-3</td>
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<td>MBB-MA-THM-4</td>
<td>Current Topics in Cognition and Development</td>
<td>Theory module (6 CP)</td>
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<tr>
<td>MBB-MA-AM-1</td>
<td>Programming</td>
<td>Application module (8 CP)</td>
</tr>
<tr>
<td>MBB-MA-AM-2</td>
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<td>Application module (8 CP)</td>
</tr>
<tr>
<td>MBB-MA-AM-3</td>
<td>Computational Modelling</td>
<td>Application module (8 CP)</td>
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<tr>
<td>MBB-MA-AM-4</td>
<td>Imaging and Recording Brain Activity</td>
<td>Application module (8 CP)</td>
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<tr>
<td>MBB-MA-AM-5</td>
<td>Measuring Human Behavior</td>
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</tr>
<tr>
<td>MBB-MA-REF-1</td>
<td>Elective Module 1</td>
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<tr>
<td>MBB-MA-REF-2</td>
<td>Elective Module 2</td>
<td>Elective module (6 CP)</td>
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<tr>
<td>MBB-MA-TM</td>
<td>Master Thesis Module</td>
<td>Thesis module (30 CP)</td>
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### MBB-MA-KM-1: Practical Training

<table>
<thead>
<tr>
<th>Practical Training</th>
<th>13 CP</th>
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</thead>
</table>

#### Core module

FB 06 / Psychologie / Studiendekanat

- **3. semester**
- **first offered in WS 2023/24**

#### Learning Outcomes:
The students
- familiarize with professional activities in fields related to Behavioral Science and Cognitive Neuroscience
- gain experience and practical training in fields related to Behavioral Science and Cognitive Neuroscience
- combine their acquired skills with practical on-the-job training
- receive an orientation for their personal career planning

#### Content:
Practical training in selected professional fields related to Mind, Brain, and Behavior

#### Frequency and Duration: annually

#### Module Coordinator: Studiendekanat

#### Applies to the Study Programs: M.Sc. Mind, Brain, and Behavior

#### Prerequisites for Participation: None

<table>
<thead>
<tr>
<th>Forms of Instruction</th>
<th>Contact hours</th>
<th>Preparation, exercises and follow-up work</th>
</tr>
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<tr>
<td>Practical training</td>
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#### Prerequisites for Examination: None

#### Module final examination:
- Term paper (5 pages)
- The module is not graded but evaluated with passed/failed

#### Language of instruction and examination: English

#### Notes: Module information and literature: see semester notice / Dates: see course catalog.
<table>
<thead>
<tr>
<th>MBB-MA-KM-2</th>
<th>Research Practice</th>
<th>9 CP</th>
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**Core module**

<table>
<thead>
<tr>
<th>FB 06 / Psychologie / Studiendekanat</th>
<th>3. Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>first offered in WS 2023/24</td>
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</tbody>
</table>

**Learning Outcomes:**
The students
- gain practical experience in empirical data collection and scientific work in the context of ongoing research projects in the departments
- gain knowledge and skills about the steps involved in experimental science
- learn to apply a particular set of methodical procedures
- learn to evaluate and document recorded data
- learn to present, interpret and discuss scientific findings
- are able to choose a topic for the Master thesis

**Content:**
Research projects in the field of
- Experimental psychology (Prof. für Allgemeine Psychologie, Kurt-Koffka-Professur für Experimentelle Psychologie)
- Perception and action (Prof. für Allgemeine Psychologie und Wahrnehmung und Handlung)
- Visual Neuroscience (Prof. für Allgemeine Psychologie und Visuelle Neurowissenschaften)
- Developmental Psychology (Prof. für Entwicklungspsychologie)
- other related topics (e.g., movement sciences, computer science)

**Frequency and Duration:** annually, 2 Semester, Seminar 1 WS or SS, Seminar 2 WS or SS

**Module Coordinator:** Studiendekanat

**Applies to the Study Programs:** M.Sc. Mind, Brain, and Behavior

**Prerequisites for Participation:** None

**Forms of Instruction**

<table>
<thead>
<tr>
<th>Forms of Instruction</th>
<th>Contact hours</th>
<th>Preparation, exercises and follow-up work</th>
<th>Project</th>
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<tr>
<td>Project</td>
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<td>270</td>
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</table>

**Prerequisites for Examination:** Participation in 1 research project of a department (conception, planning, implementation)
**Module final examination:**
- Term paper (5 pages) or presentation (20-40 minutes) about 1 research project at the teacher’s discretion, will be determined at the beginning of the course
- The module is not graded but evaluated with passed/failed

**Language of instruction and examination:** English

**Notes:** Module information and literature: see semester notice / Dates: see course catalogue
**MBB-MA-THM-1**

**Visual Perception of Color and Materials**

| 6 CP |

**Theory module**

| FB 06 / Psychologie / Abt. Allgemeine Psychologie |

| first offered in WS 2022/23 |

### Learning Outcomes:

The students

- deepen their knowledge about human perception
- gain fundamental knowledge about research questions and topics in color- and material perception
- gain an overview of techniques used to measure and study color- and material perception
- will be able to critically discuss past and current research on color- and material perception

### Content:

- fundamentals in color and material perception
- various techniques (e.g. psychophysics, neuroimaging, modelling, machine learning) to study color and material perception
- recent developments in the fields of color and material perception

### Frequency and Duration:

annually, S1 WS or SS, S2 WS or SS

### Module Coordinator:

Prof. für Allgemeine Psychologie / Prof. für Allgemeine Psychologie und Visuelle Neurowissenschaften

### Applies to the Study Programs:

M.Sc. Mind, Brain, and Behavior

### Prerequisites for Participation:

None

### Forms of Instruction:

<table>
<thead>
<tr>
<th>Contact hours</th>
<th>Preparation, exercises and follow-up work</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seminar S1 – Color science: theory and practice</td>
<td>30</td>
</tr>
<tr>
<td>Seminar S2 – Material perception</td>
<td>30</td>
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<td></td>
</tr>
</tbody>
</table>

### Prerequisites for Examination:

- Regular attendance and a combination of a maximum of 2 of the following examination types, to be determined by the teacher at the beginning of each seminar: presentation (20-40 minutes), group work (30-40 minutes), term paper (5 pages)
<table>
<thead>
<tr>
<th><strong>Module final examination:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>• Written exam (90-120 minutes), oral exam (20-40 minutes), or term paper (10-16 pages)</td>
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</table>

**Language of instruction and examination:** English

**Notes:** Module information and literature: see semester notice / Dates: see course catalogue. Capacity of this module is 30 students. If demands exceed this capacity, the decision will be made by drawing lots.
### Perceived and Action

<table>
<thead>
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<th>MBB-MA-THM-2</th>
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<th>6 CP</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>first offered in WS 2022/23</td>
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</tbody>
</table>

**Learning Outcomes:**

The students

- gain knowledge on the theoretical basis of the interplay of perception and action
- understand space perception for action
- acquire knowledge about typical experimental paradigms and methods to study the interplay of perception and action
- study the characteristics of different goal-directed movements and their application in psychological research
- gain knowledge about theories and current debates on the development of perception and action
- acquire knowledge about experimental designs and methods of infant research
- gain knowledge about theories on action planning
- study the role of motor development in children’s object perception
- acquire knowledge about theories on perception-action coupling in children with motor impairments

**Content:**

- models of perception and action
- prediction in perception and action
- spatial reference frames
- eye movements
- reaching and grasping in infants and adults
- acting in real and virtual environments
- predictive abilities in early childhood
- visual-spatial abilities during infancy
- changes in action planning during childhood
- motor development

**Frequency and Duration:** annually, S1 WS or SS, S2 WS or SS

**Module Coordinator:** Prof. für Allgemeine Psychologie mdS Wahrnehmung und Handlung / Prof. für Entwicklungspsychologie

**Applies to the Study Programs:** M.Sc. Mind, Brain, and Behavior

**Prerequisites for Participation:** None
Please note that only the German version of the modules is official and legally binding. The English version is for informative purposes only.

<table>
<thead>
<tr>
<th>Forms of Instruction:</th>
<th>Contact hours</th>
<th>Preparation, exercises and follow-up work</th>
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<tbody>
<tr>
<td>Seminar S1 – Space perception and action</td>
<td>30</td>
<td>60</td>
</tr>
<tr>
<td>Seminar S2 – Development of perception and action</td>
<td>30</td>
<td>60</td>
</tr>
<tr>
<td>Total:</td>
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<td>180</td>
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</table>

**Prerequisites for Examination:**
- Regular attendance and a combination of a maximum of 2 of the following examination types, to be determined by the teacher at the beginning of each seminar: presentation (20-40 minutes), term paper (5 pages)

**Module final examination:**
- Written exam (90-120 minutes), oral exam (20-40 minutes), or term paper (10-16 pages)

**Language of instruction and examination:** English

**Notes:** Module information and literature: see semester notice / Dates: see course catalogue. Capacity of this module is 30 students. If demands exceed this capacity, the decision will be made by drawing lots.
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<th>Visual Cognition and Object Perception</th>
<th>6 CP</th>
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</thead>
<tbody>
<tr>
<td>Theory module</td>
<td>FB 06 / Psychologie / Abt. Allgemeine Psychologie</td>
<td>1. Semester</td>
</tr>
<tr>
<td></td>
<td>first offered in WS 2022/23</td>
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</tr>
</tbody>
</table>

**Learning Outcomes:**
The students
- gain knowledge about the interplay between perceptual processes and cognition, with a focus on objects and their properties
- learn how to dissect behavioral tasks to identify distinct computational challenges and their associated processes in the human perceptual and cognitive systems
- understand the historical context of current controversies in object perception and cognition
- gain knowledge about the primary methods used to probe attention, working memory and perceptual process associated with objects
- understand how computational models can formalize psychological theories of object-related perceptual and cognitive processes

**Content:**
- pre-attentive perceptual processes involved in identifying and tracking objects and their properties
- visual search, attentional selection and saliency
- processing capacity limitations and their impact on human task performance
- visual working memory: theory and experiments
- objects as a psychological construct: historical and contemporary perspectives in infants and adults
- theories and computational models of object recognition
- grouping, occlusion and object permanence
- implicit and explicit physical reasoning
- numerosity, number sense and statistical representations

**Frequency and Duration:** annually, S1 WS or SS, S2 WS or SS

**Module Coordinator:** Kurt-Koffka-Prof. für Experimentelle Psychologie

**Applies to the Study Programs:** M.Sc. Mind, Brain, and Behavior

**Prerequisites for Participation:** None

**Forms of Instruction:**
- Contact hours
- Preparation, exercises and follow-up work
### Prerequisites for Examination:
- Regular attendance and a combination of a maximum of 2 of the following examination types, to be determined by the teacher at the beginning of each seminar: presentation (20-40 minutes), term paper (5 pages)

### Module final examination:
- Written exam (90-120 minutes), oral exam (20-40 minutes), or term paper (10-16 pages)

### Language of instruction and examination: English

### Notes: Module information and literature: see semester notice / Dates: see course catalog. Capacity of this module is 30 students. If demands exceed this capacity, the decision will be made by drawing lots.
### Current Topics in Cognition and Development

**MBB-MA-THM-4**

<table>
<thead>
<tr>
<th>Theory module</th>
<th>Current Topics in Cognition and Development</th>
<th>6 CP</th>
</tr>
</thead>
</table>

#### Learning Outcomes:

- The students gain insight into current research topics in experimental and developmental psychology (e.g., color and material perception, perception and action, development of face processing, motor cognition, music perception).
- They deepen their knowledge about theories and current debates in perception, cognition and the development of perception, cognition and action.
- They deepen their knowledge about experimental paradigms and methods to study perception, cognition and the development of perception, cognition and action.

#### Content:

- Recent developments in the fields of perception, cognition and developmental psychology.
- Different research topics from the fields of perception, cognition and developmental psychology with a focus on new findings and current debates (e.g., color and material perception, perception and action, development of face processing, motor cognition, music perception).

#### Frequency and Duration:

Annually, S1 WS or SS, S2 WS or SS.

#### Module Coordinator:

Prof. für Allgemeine Psychologie / Prof. für Entwicklungspychologie

#### Applies to the Study Programs:

M.Sc. Mind, Brain, and Behavior

#### Prerequisites for Participation:

None

#### Forms of Instruction:

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<th>Contact hours</th>
<th>Preparation, exercises and follow-up work</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>30</td>
<td>60</td>
</tr>
</tbody>
</table>

| Colloquium 2 – Development of perception, cognition, and action | 30 | 60 |

**Total:** 180

#### Prerequisites for Examination:
Please note that only the German version of the modules is official and legally binding. The English version is for informative purposes only.

- Regular attendance

**Module Examination:**
- No final examination, the module is not graded

**Language of instruction and examination:** English

**Notes:** Module information and literature: see semester notice / Dates: see course catalogue. Capacity of this module is 30 students. If demands exceed this capacity, the decision will be made by drawing lots.
### MBB-MA-AM-1: Programming

<table>
<thead>
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<th>Application module</th>
<th>FB 06 / Psychologie / Abt. Allgemeine Psychologie</th>
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</thead>
<tbody>
<tr>
<td>First offered in WS</td>
<td>first offered in WS 2022/23</td>
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</tbody>
</table>

#### Learning Outcomes:

The students
- learn basic concepts of programming with Matlab
- learn how to work with arrays and matrices
- learn how to work with external data files and how to plot data
- gain experience in how to use basics of logical operations, control-flow and debugging
- learn to program psychological experiments

#### Content:

- basic concepts of programming
- introduction to Matlab environment
- introduction to basic functions in Matlab
- transforming experimental designs into programming code
- hands-on practice of the theoretical concepts (see above)
- introduction to Matlab-Psychtoolbox

#### Frequency and Duration:

Annually, S1 WS or SS, S2 WS or SS

#### Module Coordinator:
Prof. für Allgemeine Psychologie mdS Wahrnehmung und Handlung

#### Applies to the Study Programs:
M.Sc. Mind, Brain, and Behavior

#### Prerequisites for Participation:
None

#### Forms of Instruction:

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<th>Forms of Instruction</th>
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<th>Preparation, exercises and follow-up work</th>
<th>Project</th>
</tr>
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<tbody>
<tr>
<td>Seminar S1 – Matlab I</td>
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<tr>
<td>Seminar S2 – Matlab II</td>
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#### Prerequisites for Examination:

- Regular attendance and a combination of a maximum of 2 of the following examination types, to be determined by the teacher at the beginning of each seminar: presentation (20-40 minutes), term paper (5 pages)
Module final examination:
- Written exam (90-120 minutes), term paper (10-16 pages), or individual/group project work (60 hours; e.g., solving programming tasks)

**Language of instruction and examination:** English

**Notes:** Module information and literature: see semester notice / Dates: see course catalogue. Capacity of this module is 30 students. If demands exceed this capacity, the decision will be made by drawing lots.
Capturing and Emulating the World

### Application module

**MBB-MA-AM-2**

**FB 06 / Psychologie / Abt. Allgemeine Psychologie**

first offered in WS 2022/23

**8 CP**

**2.-3. Semester**

**Learning Outcomes:**

The students

- learn about recent advances in computer graphics (CG) and virtual reality (VR) research
- understand how problems can be expressed in programming code
- study how motion capture and VR are used as a tool in psychological research
- acquire a working knowledge of CG software for stimulus generation
- understand the core concepts of 3D modelling, lighting design, material editing, and rendering
- learn to use stimuli and program a first VR experiment

**Content:**

- fundamental knowledge about CG and VR research in Psychology
- basic programming
- 3D modelling and stimulus generation
- scene conceptualization in real and virtual worlds
- real and virtual photography, videography and content editing workflows
- design and creation of a first VR experiment

**Frequency and Duration:** annually, S1 WS or SS, S2 WS or SS

**Module Coordinator:** Kurt-Koffka-Prof. für Experimentelle Psychologie / Prof. für Allgemeine Psychologie mdS Wahrnehmung und Handlung

**Applies to the Study Programs:** M.Sc. Mind, Brain, and Behavior

**Prerequisites for Participation:** None

**Forms of Instruction:**

<table>
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<th>Preparation, exercises and follow-up work</th>
<th>Project</th>
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<tbody>
<tr>
<td>Seminar S1 – Computer graphics, CG</td>
<td>30</td>
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<tr>
<td>Seminar S2 – Virtual reality, VR</td>
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<td>30</td>
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<td><strong>Total:</strong></td>
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<td><strong>Prerequisites for Examination:</strong></td>
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<tbody>
<tr>
<td>- Written exam (90-120 minutes), term paper (10-16 pages), or individual/group project work (60 hours; e.g., designing a VR experiment).</td>
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**Language of instruction and examination:** English

**Notes:** Module information and literature: see semester notice / Dates: see course catalogue. Capacity of this module is 30 students. If demands exceed this capacity, the decision will be made by drawing lots.
<table>
<thead>
<tr>
<th>Application module</th>
<th>Computational Modelling</th>
<th>8 CP</th>
</tr>
</thead>
</table>

**MBB-MA-AM-3**

**FB 06 / Psychologie / Abt. Allgemeine Psychologie**

**first offered in WS 2023/24**

**2.-3. Semester**

**Learning Outcomes:**
The students
- gain fundamental knowledge about how computational modelling provides insights into mind, brain and behavior
- gain practical experience in developing and testing computational models of behavioral data
- learn a variety of modelling approaches and their relative strengths and weakness
- learn to program computational models in software frameworks used by researchers

**Content:**
- studies exemplifying different modelling approaches in the literature
- application of computational modelling methods to real data
- supervised and unsupervised machine learning methods
- Bayesian approaches
- deep neural networks: training and testing
- model and data visualization methods

**Frequency and Duration:** annually, S1 WS or SS, S2 WS or SS

**Module Coordinator:** Kurt-Koffka-Prof. für Experimentelle Psychologie

**Applies to the Study Programs:** M.Sc. Mind, Brain, and Behavior

**Prerequisites for Participation:** For participation, students have to have completed AM-1 Programming or provide evidence of experience with Matlab programming (e.g., module(s) with at least 6 CP).

**Forms of Instruction:**

<table>
<thead>
<tr>
<th>Forms of Instruction</th>
<th>Contact hours</th>
<th>Preparation, exercises and follow-up work</th>
<th>Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seminar S1 – Introduction to computational modelling</td>
<td>30</td>
<td>60</td>
<td>30</td>
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<tr>
<td>Seminar S2 – Deep learning</td>
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<td><strong>240</strong></td>
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</table>

**Prerequisites for Examination:**
- Regular attendance and a combination of a maximum of 2 of the following examination types, to be determined by the teacher at the beginning of each seminar: presentation (20-40 minutes), term paper (5 pages)

**Module final examination:**
- Written exam (90-120 minutes), term paper (10-16 pages), or individual/group project work (60 hours; e.g., training and testing a mathematical model).

**Language of instruction and examination:** English

**Notes:** Module information and literature: see semester notice / Dates: see course catalogue. Capacity of this module is 30 students. If demands exceed this capacity, the decision will be made by drawing lots.
### MBB-MA-AM-4

**Imaging and Recording Brain Activity**

<table>
<thead>
<tr>
<th>Application module</th>
<th>FB 06 / Psychologie / Abt. Allgemeine Psychologie</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>first offered in WS 2022/23</td>
</tr>
<tr>
<td></td>
<td>2.-3. Semester</td>
</tr>
</tbody>
</table>

#### Learning Outcomes:

The students

- know advantages and disadvantages of different neuroimaging methods
- acquire knowledge about the theoretical basis of electrophysiological recordings (EEG) in humans
- acquire knowledge about the theoretical basis of (functional) magnetic resonance imaging (fMRI)
- learn how to design an fMRI experiment
- learn how to record brain activity in the EEG lab
- learn how to conduct brain scans using an MR scanner
- acquire knowledge about different types of artefacts
- learn how to analyze and interpret EEG and fMRI data

#### Content:

- foundations of electroencephalography and of fMRI
- event-related potentials in perception, action and cognition
- hands-on EEG recording & fMRI data collection
- data pre-processing (e.g. artefact reduction, data cleaning, data filtering)
- statistical data analyses (e.g. ERP amplitude and latency, GLM, ROI analysis, MVPA)
- plotting data and interpreting spatial maps

#### Frequency and Duration:

Annually, S1 WS or SS, S2 WS or SS

#### Module Coordinator:

Prof. für Allgemeine Psychologie mdS Wahrnehmung und Handlung / Prof. für Allgemeine Psychologie und Visuelle Neurowissenschaften

#### Applies to the Study Programs:

M.Sc. Mind, Brain, and Behavior

#### Prerequisites for Participation:

None

#### Forms of Instruction:

<table>
<thead>
<tr>
<th>Forms of Instruction</th>
<th>Contact hours</th>
<th>Preparation, exercises and follow-up work</th>
<th>Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seminar S1 – Electroencephalography, EEG</td>
<td>30</td>
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<tr>
<td>Seminar S2 – Functional magnetic resonance imaging, fMRI</td>
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</tbody>
</table>
Please note that only the German version of the modules is official and legally binding. The English version is for informative purposes only.

<table>
<thead>
<tr>
<th>Total:</th>
<th>240</th>
</tr>
</thead>
</table>

**Prerequisites for Examination:**
- Regular attendance and a combination of a maximum of 2 of the following examination types, to be determined by the teacher at the beginning of each seminar: presentation (20-40 minutes), term paper (5 pages)

**Module final examination:**
- Written exam (90-120 minutes), term paper (10-16 pages), or individual/group project work (60 hours; e.g., collecting and analyzing imaging data)

**Language of instruction and examination:** English

**Notes:** Module information and literature: see semester notice / Dates: see course catalog. Capacity of this module is 30 students. If demands exceed this capacity, the decision will be made by drawing lots.
### Measuring Human Behavior

**MBB-MA-AM-5**

<table>
<thead>
<tr>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measuring Human Behavior</td>
<td>8 CP</td>
</tr>
</tbody>
</table>

**Application module**

- **FB 06 / Psychologie / Abt. Allgemeine Psychologie**
- **first offered in WS 2023/24**

**Semester:** 2.-3. Semester

**Learning Outcomes:**
The students

- familiarize with different eye and body movement tracking techniques
- learn how to use tracking equipment and record eye and body movements
- use relevant programs to analyze and visualize eye and body movement data and interpret the results
- understand the value of eye and body movement data for human performance, perceptual functions, pathological situations, as well as associated practical implications

**Content:**

- basic concepts of movement tracking
- introduction to basic principles of kinematics
- implications of eye and body movement tracking and analysis for human performance, perception and pathology (e.g., training, rehabilitation, video games)
- introduction to eye and body movement tracking systems (e.g., Optotrak)
- hands-on practice of the theoretical concepts (see above)
- design and implementation of eye and body movement tracking experiments (e.g., reaching/grasping, standing, walking...)
- analysis and visualization of collected data by using relevant analysis programs

**Frequency and Duration:** annually, S1 WS or SS, S2 WS or SS

**Module Coordinator:** Prof. für Allgemeine Psychologie mdS Wahrnehmung und Handlung / Prof. für Allgemeine Psychologie

**Applies to the Study Programs:** M.Sc. Mind, Brain, and Behavior

**Prerequisites for Participation:** For participation, students have to have completed AM-1 Programming or provide evidence of experience with Matlab programming (e.g., module(s) with at least 6 CP).

**Forms of Instruction:**

<table>
<thead>
<tr>
<th>Form</th>
<th>Contact hours</th>
<th>Preparation, exercises and follow-up work</th>
<th>Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seminar S1 – Body movement analysis</td>
<td>30</td>
<td>60</td>
<td>30</td>
</tr>
<tr>
<td>Seminar S2 – Eye movements</td>
<td>30</td>
<td>60</td>
<td>30</td>
</tr>
</tbody>
</table>
**Prerequisites for Examination:**

- Regular attendance and a combination of a maximum of 2 of the following examination types, to be determined by the teacher at the beginning of each seminar: presentation (20-40 minutes), term paper (5 pages)

**Module final examination:**

- Written exam (90-120 minutes), term paper (10-16 pages), or individual/group project work (60 hours; e.g., collecting and analyzing behavioral data).

**Language of instruction and examination:** English

**Notes:** Module information and literature: see semester notice / Dates: see course catalogue. Capacity of this module is 30 students. If demands exceed this capacity, the decision will be made by drawing lots.

<table>
<thead>
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</table>
Master Thesis Module

<table>
<thead>
<tr>
<th>Module Code</th>
<th>Module Name</th>
<th>Credit Points</th>
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</thead>
<tbody>
<tr>
<td>MBB-MA-TM</td>
<td>Master Thesis Module</td>
<td>30 CP</td>
</tr>
</tbody>
</table>

**FB 06 / Psychologie / Alle Abteilungen**

**First offered in WS 2023/24**

**Learning Outcomes:**
The students
- gain profound knowledge about empirical data collection and scientific work
- learn scientific argumentation
- learn to reflect the contents of the Master program
- learn to conduct, analyze and write down a research project

**Content:**
- Work independently on a research project
- Collect and analyze empirical data within a time of 150 days
- Complete a written thesis on the research project

**Frequency and Duration:** annually

**Module Coordinator:** Alle departments

**Applies to the Study Programs:** M.Sc. Mind, Brain, and Behavior

**Prerequisites for Participation:** Registration to 1 core module, 4 theory modules, and 3 application modules

**Forms of Instruction:**

<table>
<thead>
<tr>
<th>Contact hours</th>
<th>Preparation, exercises and follow-up work</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master thesis</td>
<td>100</td>
</tr>
<tr>
<td>Total</td>
<td>900</td>
</tr>
</tbody>
</table>

**Prerequisites for Examination:** Participation in 2 research projects of a department

**Module final examination:**
- Complete and submit the master thesis in due time (50-80 pages)

**Language of instruction and examination:** English

**Notes:** Module information and literature: see semester notice / Dates: see course catalogue