

Module Handbook

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Module INF-93-61-M-6

Psychology (M, 6.0 LP)

Module Identification

Module Number	Module Name	CP (Effort)
INF-93-61-M-6	<i>Psychology</i>	6.0 CP (180 h)

Basedata

CP, Effort	6.0 CP = 180 h
Position of the semester	1 Sem. in WiSe/SuSe
Level	[6] Master (General)
Language	[DE/EN] German or English as required
Module Manager	Zweig, Katharina, Prof. Dr. (PROF DEPT: INF)
Lecturers	Czernochowski, Daniela, Jun. Prof. Dr. (PROF DEPT: SO) Joisten, Karen, Prof. Dr. (PROF DEPT: SO, GS) Lachmann, Thomas, Prof. Dr. (PROF DEPT: SO) Schmidt, Thomas, Prof. Dr. (PROF DEPT: SO) Klatte, Maria, apl. Prof. Dr. habil. (WMA DEPT: SO) Sirsch, Jürgen, Dr. (EXT DEPT: SO)
Area of study	[INF-SI] Socioinformatics
Reference course of study	[INF-88.B16-SG] M.Sc. Socioinformatics
Lifecycle-State	[NORM] Active

Courses

Type/SWS	Course Number	Choice in Module-Part	SL	PL	CP	Sem.
2V	SO-04-26.8000-K-5	WP	PRAES	PL1	3.0	WiSe
2V	SO-12-26.2000-K-5	WP	EXZ	PL1	3.0	WiSe
2S	SO-08.3-1213-K-4	WP	PRAES	PL1	3.0	SuSe
2V	SO-00-26-1000-K-7	WP	TEILN	PL1	3.0	WiSe

- About [SO-04-26.8000-K-5]: Title: "Philosophy of Mind"; Presence-Time: 28 h; Self-Study: 62 h
- About [SO-04-26.8000-K-5]: The study achievement "[PRAES] presentation" must be obtained.
- About [SO-12-26.2000-K-5]: Title: "Cognitive Neuroscience"; Presence-Time: 28 h; Self-Study: 62 h
- About [SO-12-26.2000-K-5]: The study achievement "[EXZ] excerpts" must be obtained.
- About [SO-08.3-1213-K-4]: Title: "Human Memory: Behavioral und Neural Basis"; Presence-Time: 28 h; Self-Study: 62 h
- About [SO-08.3-1213-K-4]: The study achievement "[PRAES] presentation" must be obtained.
- About [SO-00-26-1000-K-7]: Title: "Perception, Cognition and Knowledge"; Presence-Time: 28 h; Self-Study: 62 h
- About [SO-00-26-1000-K-7]: The study achievement "[TEILN] continuous and active participation in the courses" must be obtained.

Examination achievement PL1

- Form of examination: **written exam (Klausur) (60-90 Min.)**
- Examination Frequency: each semester

Evaluation of grades

The grade of the module examination is also the module grade.

Contents

From [SO-04-26.8000-K-5] Philosophy of Mind:

The lecture will discuss different concepts of mind from a historical and systematic perspective. We will read and study original articles in the field.

This course is highly recommended for all students without a BA in Philosophy or Integrative Social Science. Students with a BA in Philosophy or Integrative Social Science are encouraged to voluntarily attend the course for extra credit points (CP).

From [SO-12-26.2000-K-5] Cognitive Neuroscience:

The lecture will provide information about the basic aspects of brain structure and function and how they relate to cognition. The major focus is on contemporary methods of cognitive neuroscience (EEG, fMRI, TMS, etc.), and how each method can inform us about cognitive processes.

This lecture will cover basic aspects of neurophysiology, including the principles of excitability and synaptic connectivity. However, participants with no or very limited knowledge in biology will be required to acquire relevant aspects of neurobiology in guided self-study during this course (e.g., structure of the nervous system, neurotransmitters).

This course is highly recommended for all students without a BA in Biology. Students with a BA in Biology are encouraged to voluntarily attend the course for extra credit points (CP).

From [SO-08.3-1213-K-4] Human Memory: Behavioral und Neural Basis:

- Structures and processes in human memory
- working memory theories
- development memory and attention

From [SO-00-26-1000-K-7] Perception, Cognition and Knowledge:

Understanding of basic concepts, phenomena, and experimental paradigms, with a focus on behavioral cognitive psychology

and mental chronometry.

This course is highly recommended for all students without a BA in Psychology. Students with a BA in Psychology are encouraged to voluntarily attend the course for extra credit points (CP).

Competencies / intended learning achievements

On successfully completing the module students will be able to,

- learn how cognitive science is understood within its central component disciplines, especially psychology, computer science, biology, linguistics, and philosophy.
- present their knowledge of special topics from the field of Cognition and Knowledge
- apply the acquired understanding of human and artificial cognitive structures and processes, the acquisition and structure of human knowledge and the organization of artificial knowledge
- read and interpret scientific English literature in this field
- summarize and compare research papers and highlight relevant information from these papers
- debate scientific issues with peers or lecturers and thereby refer to complex concepts
- gain an understanding of how perceptual and cognitive processes function and interact in humans, animals and artificial systems.
- learn how cognitive science is understood within its central component disciplines, especially psychology, computer science, biology, linguistics, and philosophy.

Requirements for attendance of the module (informal)

None

Requirements for attendance of the module (formal)

None

References to Module / Module Number [INF-93-61-M-6]

Course of Study	Section	Choice/Obligation
[INF-88.B16-SG] M.Sc. Socioinformatics	[Compulsory Modules] Theories of human behaviour	[P] Compulsory