inf971 - Fundamental Competences in Psychology II: Introduction to Cognitive Neuroscience

### Module label
Fundamental Competences in Psychology II: Introduction to Cognitive Neuroscience

### Module code
inf971

### Credit points
6.0 KP

### Workload
180 h

### Used in course of study
- Master's Programme Engineering of Socio-Technical Systems > Fundamentals/Foundations

### Contact person
Christiane Margarete Thiel

### Module responsibility
- Christiane Margarete Thiel

### Authorized examiners
- Die im Modul Lehrenden

### Entry requirements
This module provides students without any prior knowledge in biological psychology with basic knowledge on the neurobiology of sensory and cognitive functions which is especially relevant for later modules on brain-computer interfaces. It therefore provides an introduction to basic concepts of neurobiological foundations of sensory, motor and cognitive functions.

### Skills to be acquired in this module
- **Professional competences:**
  The students will be able to understand basic concepts of neurobiological foundations of cognition and present these to fellow students of different backgrounds:

- **Methodological competences:**
  The students will learn to present and discuss scientific findings

- **Social competences:**
  The students will learn to interact in a group

- **Self-competences:**
  The students will be able to assess their own knowledge and understanding in the context of an interdisciplinary group

### Module contents
The lecture includes the neuroanatomy of different sensory systems such as vision and audition. motor systems and higher cognitive functions. The seminar will focus on lecture topics based on the book chapters. These contents will be acquired in group work.

### Reader’s advisory

### Module frequency
once a year

### Module capacity
unlimited

### Language of instruction
English

### Duration (semesters)
1 Semester

### Module level
BC (Basiccurriculum / Base curriculum)

### Modulart
Pflicht o. Wahlpflicht / compulsory or optional

### Lern-/Lehrform / Type of program
V+S

### Examination
**Final exam of module**
- March
- Written exam

### Course type
- **Lecture**
  - Comment: 2.00
  - SWS: WiSe
  - Frequency: 28 h

- **Seminar**
  - Comment: 2.00
  - SWS: WiSe
  - Frequency: 28 h

### Total time of attendance for the module
56 h