Summary
The goal is to guide students into the essential topics of Behavioral and Cognitive Neuroscience. The challenge for the student in this course is to integrate the diverse knowledge acquired from those levels of analysis into a more or less coherent understanding of brain structure and function.

Content
Pathways into the visual brain
Perception and encoding
Attention and selective perception
Perception and consciousness
Understanding statistics
Stress and emotion
Learning and memory
Neurobiological mechanisms of memory
Emotional influences on cognitive functions
Psychiatric disorders
Structural and functional cortical neuroanatomy
Somatosensory perception and parietal cortex in human and non-human primates
Multisensory perception and parietal and premotor cortex in human and non-human primates
Perception and representation of visual space in the right hemisphere
Selected neurological disorders and human brain imaging
Bodily self-consciousness

Learning Prerequisites
Required courses
Neuroscience: from molecular mechanisms to disease (BIO-480)
Neuroscience: cellular and circuit mechanisms (BIO-482)

Assessment methods
Written exam

Resources
Bibliography
Moodle Link

- https://go.epfl.ch/BIO-483