

Cognitive neuroscience: theoretical and methodological aspects

Nível: Mestrado e Doutorado

Carga Horária: 45

Créditos: 03

Área(s) de concentração: Neurociências Clínica e Básica

The course will focus on theoretical and methodological aspects of cognitive neuroscience. It will be based on the first six chapters of Shallice and Cooper's (2011) book *The organization of mind*. The first part will consist of an historical review of cognitive neuroscience. In the following, the theoretical and methodological status, i. e., the validity of cognitive psychology, cognitive neuropsychology, computer modelling and structural and functional neuroimaging will be discussed. Discussions will be based on selected examples from the literature, covering the most important epistemological and methodological aspects of cognitive neuroscience. One of the main lines of reasoning is that understanding of the neural basis of mind requires a cognitive level of analysis. It will be argued for a kind of methodological dualism, according to which, the cognitive level of analysis works as a necessary mediator between brain and behavior.

Referências Bibliográficas:

Artigos Científicos de revistas indexadas acessadas do Portal da CAPES.

Shallice, Tim; Cooper, Rick. ; *The Organisation of Mind*; Oxford, 2011; ISBN; 0199579245, 9780199579242; 593p