



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### **Non-invasive brain stimulation techniques in cognitive neuroscience**

2526-122R-12

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#### **Title**

Non-invasive brain stimulation techniques in cognitive neuroscience

#### **Teacher(s)**

Prof. Leonor J Romero Lauro

Dr. Giacomo Guidali

#### **Language**

English

#### **Short description**

The course will provide information on the underlying mechanisms of action, parameters setting and fields of application of the main non-invasive brain stimulation techniques, such as Transcranial Magnetic Stimulation (TMS), Transcranial Direct Current Stimulation (tDCS) and an integrated system combining TMS and electroencephalography (TMS-EEG). Examples of use of these techniques in both research and clinical setting will

be provided. A practical session in the lab will be planned.

### **CFU / Hours**

2 CFU/16 hours

### **Teaching period**

January-February, II semester

### **Sustainable Development Goals**

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