

Hands-on Transcranial magnetic stimulation (TMS) course

477681 PSY518, advanced studies of methods (valinnainen syventävä metodikurssi) 2 ECTS

Aim of the course:

Students will learn to carry out studies with TMS and to analyze the data acquired during the course.

Course description:

The course is organized by CBRU, Department of Psychology (Prof. Teija Kujala and Doc. Mari Tervaniemi) and BioMag laboratory, HUCH (Mr. Pantelis Lioumis and Doc. Jyrki Mäkelä). The course includes 3 lectures on TMS, literature and pre-examination, TMS experiments in small groups guided by a teacher, and analysis of TMS data guided by a teacher. Each course participant also serves as a subject; MRIs are acquired from these participants. The language of the course is English.

Time:

The pre-examination will be in the end of November. The rest of the course is held during December 2009 – February 2010.

To whom:

Post graduate students of the Faculty of Behavioural Sciences; also undergraduate students at advanced level will be considered. As a prerequisite, the students should have taken intermediate/advanced courses in neuropsychology/neuroscience.

How to apply:

Only 8-12 participants can be included in this hands-on course since the teaching will take place in small groups and to some extent individually. The selection of the students is based on applications (1 page) which should be sent to Prof. Teija Kujala (teija.m.kujala – please note the “.m.”!) latest by November 6, 2009. For further information, be in touch with Teija Kujala (teija.m.kujala@helsinki.fi)

The application should include:

- your name, student number, date of birth, email address
- your main subject, level of studies (post graduate, undergraduate)
- neuroscience courses you have passed (the name of the course, where you took the course, what it included (briefly), level: basic/intermediate/advanced)
- arguments why this TMS hands-on course is important for you and what will you do with the skills you will acquire during the course

Contact persons:

Prof. Teija Kujala (teija.m.kujala@helsinki.fi)

Mr. Pantelis Lioumis (plioumis@cc.hut.fi)