

PSYC 415. ELECTROENCEPHALOGRAPHY (EEG) LABORATORY IN PSYCHOLOGY.

Credits: 3

Offered by: Psychology (Faculty of Science)

This course is not offered this catalogue year.

Description

Introduction to the use of electroencephalography (EEG) for measuring brain function in behavioural neuroscience experiments. Recording and analyzing EEG data, as well as in designing experiments and interpreting findings using this method. Topics include the neural basis of EEG, recording principles and techniques, EEG data analysis (frequency bands, averaging, sources of noise, filtering, signal to noise), event-related potential analysis (ERP), spectral analysis and time-frequency analysis, data visualization, topographical maps.

- Prerequisites: PSYC 211 (or NCSI 201), PSYC 212, and PSYC 213

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