# EEG I: Best practices for recording an EEG

**Organizer(s)**

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**1 ECTS**

**Summary**

This workshop is intended for PhD students who are interested in conducting studies using electroencephalography (EEG) on human subjects. The main goal of this workshop is to develop basic skills to correctly record and clean individual raw data files for more specific analyses. The contents will be discussed at the theoretical and practical level to promote learning consolidation. It is recommended to come with our own laptop.

**Content, dates and location**

**Day 1: November 23, 2026**
**8h30 – 12h30 Room 2224, Géopolis building, metro M1 stop "UNIL-Mouline"**
Theoretical aspects of EEG studies • Origin of the EEG signal • EEG recording chain • EEG recording demo and signal quality Recording an EEG
Lecturers: Paolo Ruggeri, Jérôme Barral
**13h30 – 15h30 & 15h30 PM – 17h30 PM LERB lab, Géopolis (hands-on sessions)**
Recording an EEG
Lecturers: Paolo Ruggeri, Jérôme Barral

**Day 2: November 24, 2026**
**8h30 – 10h30 & 10h30 – 12h30 LERB lab, Géopolis (hands-on sessions)**
Recording an EEG
Lecturers: Paolo Ruggeri, Jérôme Barral
**14h00 – 18h00 Room 2218, Géopolis**
EEG Data Preprocessing • Presentation of the main steps • Group work: Applying preprocessing to the collected data
Lecturers: David Pascucci, Maëlan Menétrey

**Day 3: November 25, 2026**
**09h00 – 17h00 Room 2218, Geopolis**
EEG Data Analysis • Overview of main analysis methods • Group work: Applying analysis to data from Course 2
Lecturers: Paolo Ruggeri, Jérôme Barral, David Pascucci, Maëlan Menétrey

**Evaluation session**

**November 27 from 9h30 to 12h30 on TEAMS**
Group project oral presentations and discussion

**Registration** The course is limited to 10 participants.
Register before November 10, 2026 by writing a mail to lndscourses@gmail.com (with your supervisor in copy) and stating the course title as subject.

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