

ENGM24, English: EEG/ERP in Linguistic Research: Theory and Application, 7.5 credits

Engelska: EEG/ERP inom språkforskning: teori och metod, 7,5 högskolepoäng
Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by The Pro Dean of First and Second Cycle Studies at The Joint Faculties of Humanities and Theology on 2025-06-05 (U 2025/408). The syllabus comes into effect 2025-06-05 and is valid from the spring semester 2026.

General information

The course is offered as a free-standing course and as an elective course within the Master's programme in Language and Linguistics. It can normally be included in a first or second-cycle degree.

Language of instruction: English

Main field of study

Language and Linguistics with specialization in English

Specialisation

A1N, Second cycle, has only first-cycle course/s as entry requirements

Learning outcomes

On completion of the course, the student is to be able to

Knowledge and understanding

- account for the principles of EEG (Electroencephalography) and ERP (Event-Related Potentials);
- explain how EEG/ERP can be used for language research;

Competence and skills

- formulate a scientific problem and plan for and describe how EEG/ERP can be used to investigate it;

- use the EEG equipment in practice;
- apply relevant theories in the analysis of EEG/ERP data;

Judgement and approach

- evaluate a proposed EEG/ERP experiment and foresee potential problems;
- evaluate the advantages and limitations of EEG/ERP;
- evaluate the ethical aspects of using EEG/ERP as a method, a certain material or a certain group of participants in a study.

Course content

The course is aimed at students who would like to use EEG/ERP (Electroencephalography/Event-Related Potentials) in their degree project as well as at students who want to learn more about the method. In the course, the students will learn the function and use of the EEG/ERP equipment. The students will also learn to apply theories that are relevant for their research topic and to collect and analyse data, as well as discuss different ethical aspects that may be relevant.

Course design

Teaching consists of lectures, exercises and an obligatory laboratory session (if a student needs to be absent from the obligatory lab session, a new opportunity will be scheduled).

Assessment

The assessment is based on a final written report (approximately 3,000 words).

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Grades

Grading scale includes the grades: Fail, Pass

Entry requirements

To be admitted to the course, the student must have attained Bachelor's level in linguistics, cognitive science, neuroscience or another subject where EEG/ERP is relevant, and English 6 or equivalent.

Further information

- The course is offered at the Centre for Languages and Literature, Lund University.
- The credits allocated for course content that in whole or in part is commensurate with another course can only be credited once for a degree.