

- Faculté des lettres et sciences humaines
- www.unine.ch/lettres

Methods in cognitive science (2LN2212)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
Master en sciences cognitives	Séminaire: 4 ph	Voir ci-dessous	6

ph=période hebdomadaire, pg=période globale, j=jour, dj=demi-jour, h=heure, min=minute

Période d'enseignement:

- Semestre Automne

Equipe enseignante:

Teresa Fagundes
Jennifer McClung

Objectifs:

The overall aim of the course is to give students the tools to conduct their own independent research project. Students will be guided through the complete research process from experimental design to data analysis.

Contenu:

The first part of the course will cover data management and analysis using spreadsheet software and the statistical package R. The course will provide an introduction to graphical presentation of data and statistical inference, including correlation, regression, analysis of variance, non-parametric methods and ordination methods.

The second part of the course will cover basic experimental design and implementation that will allow students to conduct their own research. A variety of observational and experimental methods used in different areas of cognitive science will be discussed and practically employed, such as questionnaires, eye-tracking, ethograms, and acoustic analysis.

Forme de l'évaluation:

- Continuous assessment with statistical and data management exercises (graded)
- Methods essay (graded)
- Final class presentation (pass/fail)

NB: work that is not submitted by the required deadline, without good cause, will not be accepted and will automatically result in a fail for that given assessment.

Forme de l'enseignement:

Lectures, methods and data practicals