

LEARN-610

**Introduction to Methods in Learning Sciences 1**

Dillenbourg Pierre, Kapur Manu

<b>Cursus</b>	<b>Sem.</b>	<b>Type</b>
Learning Sciences		Obl.

Language of teaching	English
Credits	2
Session	
Exam	During the semester
Workload	60h
<b>Hours</b>	<b>48</b>
Lecture	14
Exercises	34
<b>Number of positions</b>	<b>25</b>

**Frequency**

Every year

**Remark**

Next time: Fall 2023

**Summary**

This is part 1 of a two part course that provides students with knowledge and skills in collecting, processing and analyzing educational data, including different lenses to view the nature of inquiry in the field, research designs, and an overview of quantitative and qualitative methods.

**Content**

The course has the following components: a) Planning and conducting research according to different research designs, b) Overview of quantitative, qualitative and mixed methods in Learning Sciences, c) Ethics of Learning Sciences research. The course will be centered around exploring methodological perspectives by focusing on conceptual aspects of datasets and experiments in the Learning Sciences. Face-to-face meetings will be held every fortnight, although students will be expected to work individually on weekly tasks (e.g., discussing relevant literature, creating and justifying research designs, performing data analysis).

**Note**

The examination procedure consists of several assignments done across the semester.

**Keywords**

learning sciences, research methods, research design, data collection

**Learning Outcomes**

By the end of the course, the student must be able to:

- understand how to plan a learning sciences study, collect and analyse data according to different methodological perspectives in the learning sciences.