

## **Title of course: The Science of Learning and Teaching**

Lecturer: dr Małgorzata Korko

Teaching language: English

Course description: What is evidence-based teaching and how can it support learning? In our seminars, we will explore the latest findings in cognitive psychology and their practical applications in education. We will delve into topics such as distributed practice, interleaved practice, practice testing, and elaboration, aiming to understand how they improve learning. We will also investigate effective note-taking methods during lectures and consider how to implement these techniques in teaching. Our classes follow the principle: "I see, and I forget. I hear, and I remember. I do, and I understand." Each session begins with a classroom experiment, allowing participants to directly observe cognitive processes underlying learning.

Students' knowledge and skills will be evaluated through an in-class open-book test, designed to gauge students' comprehension of a journal article. Students will also be required to create a video tutorial elucidating a key aspect of teaching or learning based on research.

Assessment (ZO): Assessment will be based on:

- an in-class open book test based on a scientific article assigned for home reading (weight: 50% of the overall mark)
- creation of a video tutorial in pairs or groups of three elucidating a key aspect of teaching or learning based on research (weight: 50% of the overall mark).

The final mark will be calculated as an average of the two marks.