

International Summer School 2026

State of the art research methods in Psychology I (Block1)

Module description

The aim of this module is to introduce you to modern psychological research methods. We will cover how eye-tracking is used to gain insights into tracking attentional processes through pupillometry and gaze fixations, and examine how Virtual Reality (VR) is being used in research. All teaching will take place in the form of practical sessions, allowing you to learn these approaches through real-life experience. This module is ideal for those students seeking to take their first steps into psychological research using state of the art technology.

Learning outcomes

By the end of this course, students will be able to:

- Demonstrate practical knowledge of experimental design through administration of modern psychological research methods.
- Demonstrate the ability to search for and document evidence in an appropriate literary manner.
- Show evidence of critical evaluation in written work.
- Demonstrate an ability to produce a clear and coherent laboratory report.
- Demonstrate engagement with contemporary psychology research practice through participation in research studies, or reflection on the methodological and ethical issues involved in conducting psychological research.

Teaching

Each week is composed of 2 x 2 hours of practical lab classes.

Block 1, Week 1

- Introduction to eye-tracking methodology, theory, and data collection (JK)

Block 1, Week 2

- Data collection and analysis of an eye-tracking experiment (JK)

Block 1, Week 3

- Introduction to virtual reality and it's uses in psychological research (PH)

Block 1, Week 4

- Data collection and analysis of a VR psychology experiment (PH)

Assessment

1,500 word lab report summarising the findings from one of the experiments 100%