Summary
The course considers central themes in the philosophy of science, such as scientific realism and the ontology of physics. Starting from the debate between Leibniz and Newton about space and time, we move on to the transition from classical to quantum physics and the explanatory role of mathematics.

Content
See the full description of the course in the "Introduction to project" (HUM-417 a) of the fall semester.

Keywords
POLY-perspective :
  • interdisciplinary perspective
  • global perspective

https://www.epfl.ch/schools/cdh/cdhs-vision/

Learning Prerequisites
Required courses
  Philosophical perspectives on the exact sciences I (HUM-417)

Assessment methods
Oral presentation, written essay in small groups. Evaluation on a semester basis (grade associated to 3 ECTS). Fall semester evaluation is about knowledge acquisition and the elaboration of a project plan. Spring semester evaluation is about the realization of the project. More information is given at the beginning of the academic year.

Supervision
Office hours  Yes
Assistants    Yes
Forum        No