

HUM-453

**Philosophical perspectives on the exact sciences II**

Esfeld Michael-Andreas

Cursus	Sem.	Type
Humanities and Social Sciences	MA2	Obl.

Language of teaching	English
Credits	3
Withdrawal Session	Unauthorized Summer
Semester	Spring
Exam	During the semester
Workload	90h
Weeks	14
<b>Hours</b>	<b>3 weekly</b>
Project	3 weekly
<b>Number of positions</b>	<b>60</b>

**It is not allowed to withdraw from this subject after the registration deadline.**

**Remark**

Une seule inscription à un cours SHS+MGT autorisée. En cas d'inscriptions multiples elles seront toutes supprimées sans notification.

**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