

Seminari d'història i filosofia de la ciència

2014/2015

Code: 100320
ECTS Credits: 6

Degree	Type	Year	Semester
2500246 Filosofia	OT	3	0
2500246 Filosofia	OT	4	0

Contact

Name: Thomas Sturm
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Use of languages

Principal working language: anglès (eng)
Some groups entirely in English: No
Some groups entirely in Catalan: No
Some groups entirely in Spanish: No

Teachers

Andreu Ballus Santacana

Objectives and Contextualisation

1. Knowledge of the main different historical stages through which the relation between history and philosophy of science has passed.
2. Knowledge of the positions held by different schools in philosophy of science about the role of history for philosophy of science.
3. Knowledge of the of major philosophical theories about scientific progress and its relation to history and rationality.
4. Familiarity with some key texts in the debate over the relation between history and philosophy of science.
5. Correct use of philosophical terminology in discussions concerning philosophy of science.
6. Coherent and solid use of arguments in philosophical discussions.
7. Improvement of written and oral presentation of the newly acquired knowledge.

Content

1. History, progress and evolution in late 19th- and early 20th-century philosophy of science
 - 1.1. Comte's Positivism and the "law of the three stages"
 - 1.2. Intuition and scientific progress: Criticisms to Comte
2. Excluding history?
 - 2.1. Carnap and the tasks of philosophy of science
 - 2.2. Popper and the growth of scientific knowledge

3. Crisis and revolution in science: Koyré and Kuhn

3.1. Koyré's new history of science

3.2. Kuhn's "The Structure of Scientific Revolutions"

3.3. Post-Kuhnian accounts of scientific change: From Lakatos to Kitcher

4. Debating the "marriage" of HPS: From Hanson to the present