COURSE DETAIL

PHILOSOPHY OF SCIENCE
Country Italy
Host Institution University of Padua
Program(s) Psychology and Cognitive Science, Padua
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Philosophy
UCEAP Course Number 110
UCEAP Course Suffix
UCEAP Official Title PHILOSOPHY OF SCIENCE
UCEAP Transcript Title PHIL OF SCIENCE
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course explores central philosophical questions about the nature of science knowledge, its methodology, and the objects it studies. The course is split into two parts. In the first, the course traces the co-development of science from proto-science in Ancient Greece through to the Scientific Revolution and beyond, and associated accounts of scientific methodology in philosophy, from Aristotle's theory of demonstration to Karl Popper's falsificationism and Thomas Kuhn's paradigm shifts. Here the course encounters questions such as: What constitutes scientific progress? Can scientific theories ever be proved correct? And, how is science different from non-sciences? In the second part, the course looks at four important questions within contemporary philosophy of science: (i) Are scientists committed to the actual truth of their theories? (ii) What are scientific models, and how important are they? (iii) What is the replication crisis within science, and what's causing it? (iv) What challenge is posed by science denialism in society?

Language(s) of Instruction
English

Host Institution Course Number
PSP5070128

Host Institution Course Title
PHILOSOPHY OF SCIENCE

Host Institution Course Details
https://en.didattica.unipd.it/off/2023/LT/PS/PS2648/000ZZ/PSP5070128/N0

Host Institution Campus

Host Institution Faculty
Psychology

Host Institution Degree
First Cycle Degree in Psychological Science

Host Institution Department

Course Last Reviewed
2023-2024

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