

Syllabus

Course Description

Course Title	Philosophy of Science
Course Code	29051
Course Title Additional	
Scientific-Disciplinary Sector	NN
Language	English
Degree Course	PhD Programme in Management
Other Degree Courses (Loaned)	
Lecturers	Prof. Ivo De Gennaro, Ivo.DeGennaro@unibz.it https://www.unibz.it/en/faculties/economics-management/academic-staff/person/5188
Teaching Assistant	
Semester	First semester
Course Year/s	1
CP	3
Teaching Hours	18
Lab Hours	0
Individual Study Hours	-
Planned Office Hours	
Contents Summary	The course focuses on the acquisition of analytical abilities and the development of critical thinking with regard to basic epistemological problems
Course Topics	Topics: - "good science" vs. "bad science" - falsificationism, the methodology of scientific research programmes, methodological anarchism - the structure of hypothetical knowledge - explicit and implicit assumptions - model building and experienced reality

	- motivations for model building - operative ends and ends in themselves - the operative concepts of needs, the human being, time - welfare- and scarcity-based definitions of economics - scientific responsibility and the ethical scope of scientific knowledge.
Keywords	epistemology of economics, falsificationism, scientific paradigms, model building, value and evaluation, scientific ethics
Recommended Prerequisites	None.
Propaedeutic Courses	
Teaching Format	Seminar style.
Mandatory Attendance	Required
Specific Educational Objectives and Learning Outcomes	Knowledge and understanding: 1. knowledge and understanding of the scope and task of scientific research; 2. knowledge of the structure of hypothetical knowledge; 3. knowledge of basic ethical issues of scientific research. Applying knowledge and understanding: 1. development of the capacity for distinguishing between scientific performance and scientific truth; 2. development of the ability to discern between relations of cause and effect and the truth of a phenomenon; 3. development of the capacity for critically assessing the formulation and implementation of a research endeavour. Making judgments: 1. understanding the peculiarity of scientific judgments; 2. understanding and applying the difference between making a judgment and evaluating; 3. understanding and applying the difference between making a judgment and expressing an opinion. Learning skills: 1. autonomous reasoning; 2. interpretive abilities exercised on economic texts; 3. oral and written expression of autonomous thinking.
Specific Educational	

Objectives and Learning Outcomes (additional info.)	
Assessment	Short essay based on course readings and/or class discussion and/or methodological reflections on relevant scientific literature.
Evaluation Criteria	Willingness to engage in meta-scientific (ethical and methodological) reflection; clarity and consistency of reasoning.
Required Readings	All texts, as well as further readings and lecture notes, will be made available through the digital course repository.
Supplementary Readings	Will be indicated upon request.
Further Information	
Sustainable Development Goals (SDGs)	No poverty, Partnerships for the goals, Good health and well-being, Quality education, Gender equality, Clean water and sanitation, Affordable and clean energy, Decent work and economic growth, Industry, innovation and infrastructure, Reduced inequalities, Sustainable cities and communities, Responsible consumption and production, Climate action, Life below water, Life on land, Peace, justice and strong institutions, Zero hunger