



COURSE OF STUDY: Philosophical Sciences

ACADEMIC YEAR: 2024-2025

ACADEMIC SUBJECT: Sciences in the modern world

General information	
Year of the course	First
Academic calendar (starting and ending date)	Second Semester 24.02.2025/16.05.2025
Credits (CFU/ETCS):	6
SSD	PHIL-02/B
Language	Italian
Mode of attendance	

Professor/ Lecturer	
Name and Surname	Francesco Paolo de Ceglia
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Department and address	Palazzo Ateneo
Virtual room	9se9mrx
Office Hours (and modalities: e.g., by appointment, on line, etc.)	On Thursdays and Fridays, by appointment

Work schedule			
Hours			
Total	Lectures	Hands-on (laboratory, workshops, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
150	42		108
CFU/ETCS			
6	6		

Learning Objectives	<p>Knowledge and understanding: Capacities to understand and examine historical sources</p> <p>Applying knowledge and understanding: Capacities to understand and examine scientific historical sources</p> <p>Making informed judgements and choices: Capacities to make informed historical judgements, in particular in the field of history of science</p> <p>Communicating knowledge and understanding: Capacities to communicate, through multimedia instruments, the results of one's own study or research in the field of history of science: Capacities to continue learning Capacities to interact collaboratively with the professor and the other students: in the field of history of science</p>
Course prerequisites	None

Teaching strategie	Main objective of the course is to reconstruct the historical evolution of science in the early modern era and to shed light on the relationships
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	between the “ordinary course of nature”, the monstrous, the wonderful, the prodigious and the miraculous.
Expected learning outcomes in terms of	
Knowledge and understanding on:	<ul style="list-style-type: none"> ○ The student will acquire capacities to understand and examine historical sources
Applying knowledge and understanding on:	<ul style="list-style-type: none"> ○ The student will mature capacities to understand and examine scientific historical sources
Soft skills	<ul style="list-style-type: none"> • <i>Making informed judgments and choices</i> The student will possess capacities to make informed historical judgements, in particular in the field of history of science • <i>Communicating knowledge and understanding</i> The student will improve his/her capacities to communicate, trough multimedia instruments, the results of one’s own study or research in the field of history of science • <i>Capacities to continue learning</i> The student will strengthen his/her capacities to interact collaboratively with the professor and the other students in the field of history of science
Syllabus	
Content knowledge	Main objective of the course is to reconstruct the historical evolution of sciences in the last century and, from an anthropological point of view too, to analyze the new paradigms of rationality opened up by quantum physics and the digital revolution.
Texts and readings	<ul style="list-style-type: none"> - M. Kumar, <i>Quantum. Da Einstein a Bohr, la teoria dei quanti, una nuova idea della realtà</i>, Mondadori, Milano 2019. - F.P. de Ceglia, L. Leporiere, <i>La pitonessa, il pirata e l’acuto osservatore. Spiritismo e scienza nell’Italia della belle époque</i>, Editrice bibliografica, Milano 2018. - David J. Chalmers, <i>Più realtà. I mondi virtuali e i problemi della filosofia</i>, Raffaello Cortina Editore, Milano 2023.
Notes, additional materials	
Repository	

Assessment					
Assessment methods	oral				
Assessment criteria	<ul style="list-style-type: none"> • Making informed judgments and choices • The student will possess capacities to make informed historical judgements, in particular in the field of history of science • Communicating knowledge and understanding • The student will improve his/her capacities to communicate, trough multimedia instruments, the results of one’s own study or research in the field of history of science • Capacities to continue learning • The student will strengthen his/her capacities to interact collaboratively with the professor and the other students in the field of history of science 				
Final exam and grading criteria	<p>The following skills and knowledge will be evaluated: knowledge and understanding; applying knowledge and understanding; autonomy of judgment; communicating knowledge and understanding; capacities to continue learning.</p> <table border="1" style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="width: 20%;">Mark</th> <th>Descriptors</th> </tr> </thead> <tbody> <tr> <td style="height: 20px;"></td> <td></td> </tr> </tbody> </table>	Mark	Descriptors		
Mark	Descriptors				



	<18 insufficient	Fragmentary and superficial knowledge of the contents, errors in applying the concepts, poor presentation
	18-20	Sufficient but general knowledge of contents, simple exposition, uncertainties in the application of theoretical concepts
	21-23	Appropriate but not in-depth knowledge of content, ability to apply theoretical concepts, ability to present content in a simple way
	24-25	Appropriate and extensive knowledge of the contents, reasonable ability to apply knowledge, ability to present contents in an articulated way.
	26-27	Precise and complete content knowledge, good ability to apply knowledge, analytical skills, clear and correct presentation
	28-29	Broad, complete and in-depth knowledge of the contents, good application of the contents, good analysis and synthesis skills, safe and correct presentation
	30/30L	Very broad, complete and in-depth knowledge of the contents, well-established ability to apply the contents, excellent capacity for analysis, synthesis and interdisciplinary connections, mastery of presentation
Further information		