



General information	
Academic subject	Sciences in the Modern World
Degree course	Philosophical Sciences
Academic Year	2022-2023
European Credit Transfer and Accumulation System (ECTS)	9
Language	Italian
Academic calendar (starting and ending date)	Second Semester (27.02.2023 – 19.05.2023)
Attendance	

Professor/ Lecturer	
Name and Surname	Francesco Paolo de Ceglia
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Department and address	Palazzo Ateneo
Virtual headquarters	
Tutoring (time and day)	On Fridays, by appointment

Syllabus	
<b>Learning Objectives</b>	Knowledge and understanding: Capacities to understand and examine historical sources Applying knowledge and understanding: Capacities to understand and examine scientific historical sources Making informed judgements and choices: Capacities to make informed historical judgements, in particular in the field of history of science 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
<b>Course prerequisites</b>	None
<b>Contents</b>	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.
<b>Books and bibliography</b>	- 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> , Milano, Editrice bibliografica, 2018. - L. Floridi, <i>La quarta rivoluzione. Come l'infosfera sta trasformando il mondo</i> , Milano, Cortina, 2017.

<b>Additional materials</b>			
<b>Work schedule</b>			
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
<b>Hours</b>			
150	42		108
<b>ECTS</b>			
6			
<b>Teaching strategy</b>			
Lessons, seminars, ppt presentations made by the professors and the students			
<b>Expected learning outcomes</b>			
<b>Knowledge and understanding on:</b>		<ul style="list-style-type: none"> <li>○ The student will acquire capacities to understand and examine historical sources</li> </ul>	
<b>Applying knowledge and understanding on:</b>		<ul style="list-style-type: none"> <li>○ The student will mature capacities to understand and examine scientific historical sources</li> </ul>	
<b>Soft skills</b>		<ul style="list-style-type: none"> <li>• <i>Making informed judgments and choices</i> <ul style="list-style-type: none"> <li>○ The student will possess capacities to make informed historical judgements, in particular in the field of history of science</li> </ul> </li> <li>• <i>Communicating knowledge and understanding</i> <ul style="list-style-type: none"> <li>○ 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</li> </ul> </li> <li>• <i>Capacities to continue learning</i> <ul style="list-style-type: none"> <li>○ The student will strengthen his/her capacities to interact collaboratively with the professor and the other students in the field of history of science</li> </ul> </li> </ul>	
<b>Assessment and feedback</b>			
<b>Methods of assessment</b>		oral	
<b>Evaluation criteria</b>		<ul style="list-style-type: none"> <li>• <i>Knowledge and understanding</i> <ul style="list-style-type: none"> <li>○ The student will acquire capacities to understand and examine historical sources</li> </ul> </li> <li>• <i>Applying knowledge and understanding</i> <ul style="list-style-type: none"> <li>○ The student will mature capacities to understand and examine scientific historical sources</li> </ul> </li> <li>• <i>Autonomy of judgment</i> <ul style="list-style-type: none"> <li>○ The student will possess capacities to make informed historical judgements, in particular in the field of history of science</li> </ul> </li> <li>• <i>Communicating knowledge and understanding</i> <ul style="list-style-type: none"> <li>○ 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</li> </ul> </li> <li>• <i>Capacities to continue learning</i> <ul style="list-style-type: none"> <li>○ The student will strengthen his/her capacities to interact collaboratively with the professor and the other students in the field of history of science</li> </ul> </li> </ul>	
<b>Criteria for assessment and attribution of the final mark</b>		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.	
<b>Additional information</b>			

<b>Assessment and feedback</b>	
Methods of assessment	
Evaluation criteria	<ul style="list-style-type: none"> <li>• <i>Knowledge and understanding</i> <ul style="list-style-type: none"> <li>○ xxxx</li> </ul> </li> <li>• <i>Applying knowledge and understanding</i> <ul style="list-style-type: none"> <li>○ xxxxx</li> </ul> </li> <li>• <i>Autonomy of judgment</i> <ul style="list-style-type: none"> <li>○ xxxx</li> </ul> </li> <li>• <i>Communicating knowledge and understanding</i> <ul style="list-style-type: none"> <li>○ xxxxxxxxxxxxxxx</li> </ul> </li> <li>• <i>Communication skills</i> <ul style="list-style-type: none"> <li>○ xxxxxxxxxxxxxxx</li> </ul> </li> <li>• <i>Capacities to continue learning</i> <ul style="list-style-type: none"> <li>○</li> </ul> </li> </ul>
Criteria for assessment and attribution of the final mark	
<b>Additional information</b>	