

2.00 credits

30.0 h

Q2

Teacher(s)	Pence Charles ;Verdée Peter ;Verdée Peter (compensates Pence Charles) ;
Language :	French
Place of the course	Louvain-la-Neuve
Learning outcomes	
Evaluation methods	In the June session and the August session: a group written work (50%) and an individual defense of this work at the oral exam (50%).
Teaching methods	Lectures given by the teacher, with a significant role for discussions with and between the students.
Content	<p><b>What do science and mathematics teach us about reality?</b></p> <p>This course explores various themes in contemporary philosophy, focusing on the interpretation and methodology of science and mathematics.</p> <ul style="list-style-type: none"> <li>• <b>Realism, pragmatism, and idealism</b></li> <li>• <b>Truth:</b> theories of truth, paradoxes, truth in mathematics</li> <li>• <b>Probability:</b> theories of probability, interpretations, paradoxes</li> <li>• <b>Science and norms</b></li> <li>• <b>Interpretation in science</b> (in mathematics, in quantum physics, etc.)</li> </ul>
Inline resources	All readings and slides available on the Moodle site for the course.
Faculty or entity in charge	SC

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Data Science : Statistic	DATS2M	2		
Master [120] in Geography : Climatology	CLIM2M	2		
Master [120] in Biology of Organisms and Ecology	BOE2M	2		
Master [60] in Physics	PHYS2M1	2		
Master [60] in Geography : General	GEOG2M1	2		
Master [120] in Biochemistry and Molecular and Cell Biology	BBMC2M	2		
Master [120] in Statistics: Biostatistics	BSTA2M	2		
Master [60] in Biology	BIOL2M1	2		
Master [120] in Mathematics	MATH2M	2		
Master [60] in Mathematics	MATH2M1	2		
Master [120] in Chemistry	CHIM2M	2		
Master [120] in Statistics: General	STAT2M	2		
Master [120] in Physics	PHYS2M	2		
Master [60] in Chemistry	CHIM2M1	2		
Master [120] in Geography : General	GEOG2M	2		
Master [120] in Medical Physics	PHMD2M	2		