








2 credits

30.0 h

Q1

Teacher(s)	Guay Alexandre ;Ruyant Quentin (compensates Guay Alexandre) ;
Language :	French
Place of the course	Louvain-la-Neuve
Aims	<i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i>
Evaluation methods	The final evaluation will pertain to the student's understanding of the fundamental concepts exposed during the lessons. It will consist of a written exam
Content	The course will review the main topics of scientific metaphysics, epistemology and ethics. Some of the topics that will be addressed are: the notions of observation and experiment in science and how they relate to theories, the debate between scientific realism, instrumentalism and relativism, causation, laws of nature, reductionism and emergence, the nature of mind and its relation to the physical world, ethical concerns about science and technologies in connection with environmental and health issues, questions about the authority of scientific knowledge in the public sphere.
Bibliography	Le contenu des exposés du professeur se basera pour une large part sur les ouvrages suivants : Philosophie des sciences. Une introduction (M. Esfeld, Presses polytechniques et universitaires romandes, 2009 [2 <sup>ème</sup> édition]) et La Science et le vivant. Philosophie des sciences et modernité critique (B. Feltz, De Boeck, 2014 [2 <sup>ème</sup> édition]).
Faculty or entity in charge	SC

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Bachelor in Geography : General	<a href="#">GEOG1BA</a>	2		
Bachelor in Physics	<a href="#">PHYS1BA</a>	2		
Master [120] in Environmental Science and Management	<a href="#">ENVI2M</a>	2		
Bachelor in Veterinary Medicine	<a href="#">VETE1BA</a>	2		
Bachelor in Biology	<a href="#">BIOL1BA</a>	2		
Bachelor in Chemistry	<a href="#">CHIM1BA</a>	2		
Bachelor in Bioengineering	<a href="#">BIR1BA</a>	2		
Bachelor in Mathematics	<a href="#">MATH1BA</a>	2		