








2.0 credits	30.0 h	1q
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Teacher(s) :	Feltz Bernard ; Sartenaer Olivier (compensates Feltz Bernard) ;
Language :	Français
Place of the course	Louvain-la-Neuve
Inline resources:	Coordonnées de l'enseignant : Dr. Olivier Sartenaer, Institut supérieur de Philosophie, Place du Cardinal Mercier, 14, Louvain-la-Neuve (bureau B-216). Email : olivier.sartenaer@uclouvain.be.
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, from the early 20th century onwards. Some of the topics that will be addressed are scientific realism, induction, falsification, empiricism, the relation of theories to experiment, incommensurability, the nature of space and time, causation, laws of nature, reductionism, the unity of science, the ethical stakes of science, the connexion between nature, health and environment, as well as the nature of human kind, from the vantage point of contemporary neuroscience.
Bibliography :	The sessions will largely be based on the following books : Philosophie des sciences. Une introduction (M. Esfeld, Presses polytechniques et universitaires romandes, 2009 [2nd edition]) and La Science et le vivant. Philosophie des sciences et modernité critique (B. Feltz, De Boeck, 2014 [2nd edition]).
Faculty or entity in charge:	SC

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Bachelor in Biology	BIOL1BA	2	-	
Bachelor in Geography : General	GEOG1BA	2	-	
Bachelor in Veterinary Medicine	VETE1BA	2	-	
Bachelor in Physics	PHYS1BA	2	-	
Bachelor in Chemistry	CHIM1BA	2	-	
Bachelor in Mathematics	MATH1BA	2	-	
Bachelor in Bioengineering	BIR1BA	2	-	
Master [120] in Environmental Science and Management	ENVI2M	2	-	