UCLouvain

lfilo2171

2026

Logic and Epistemology (Advanced Studies)

5.00 credits	30.0 h	Q1

Teacher(s)	Verdée Peter ;
Language :	French > English-friendly
Place of the course	Louvain-la-Neuve
Main themes	Each year, the course will select a particular theme in logic, philosophy of language, philosophy of mathematics, in epistemology or a theme that cuts across these disciplines.
Learning outcomes	**At the end of this learning unit, the student is able to :** demonstrate a mastery of the area described in the course description
Evaluation methods	January 50% of the final grade: a presentation in the course sessions 50% of the final grade: open book oral exam August 50% of the final grade: written assignment 50% of the final grade: open book oral exam
Teaching methods	Classical course
Content	**The Limits of Knowledge** The following topics will be covered: • Limitative theorems (Gödel, Tarski, Church, Turing) in mathematics, computer science, and truth theory • The Gettier problem • Paradoxes of truth, probability, and knowability • The measurement problem in quantum physics
Inline resources	Moodle page of the course
Other infos	For the written work, the student is required to systematically indicate all parts having been the subject of use of AI, for example by a footnote, specifying whether the AI was used for the research of information, for writing the text or for its correction. Sources of information must be systematically cited while respecting bibliographic referencing standards. The student remains responsible for the content of his or her production regardless of the sources used.
Faculty or entity in charge	EFIL

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [60] in Philosophy	FILO2M1	5		🔍
Master [120] in Philosophy	FILO2M	5		🔍
Certificat universitaire en philosophie (approfondissement)	FILA9CE	5		🔍
Master [120] of Education, Section 4 : Philosophy and Citizenship	FILO2M4	5		🔍