UCLouvain

lsinc1123

2021

Calculability, Logic and Complexity

5.00 credits	30.0 h + 30.0 h	Q2

Teacher(s)	Deville Yves ;
Language :	French
Place of the course	Charleroi
Prerequisites	*The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.*
Learning outcomes	
Evaluation methods	Different modes of evaluation can be organized: continuous assessment, graded work, participation, exam. The exam will be written, but in case of doubt on the part of the teacher as to the grade to be given to a student, the student may be questioned orally. Depending on the number of studentrs, the September exam can be an oral exam.
Teaching methods	This course can be given in a variety of face-to-face and distance modalities. These may include lectures, readings, preparations, exercises, as well as individual or group work.
Content	• Introduction • Enumerable sets • Computability: fondamenbtal results • Models of computability • Propositional logic • Introduction to algorithmic complexity • Complexity classes
Faculty or entity in charge	EPL

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Computer Science	SINC1BA	5	LSINC1101 AND LSINC1103	🔍