UCLouvain

linfo1122

2021

Program design methods

5.00 credits	30.0 h + 30.0 h	Q1

Teacher(s)	Pecheur Charles ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	• Specification of simple programs, with procedures and with data structures • Logic and recurrence • Proof of simple programs, with procedures and with data structures • Algorithm design techniques • Programming schemes
Learning outcomes	**At the end of this learning unit, the student is able to :** Given the learning outcomes of the "Bachelor in Computer science" program, this course contributes to the development, acquisition and evaluation of the following learning outcomes: • S1.I5 • S2.2-3 1 Students completing successfully this course will be able to • imagine a correct and efficient algorithm to solve a given problem • create and specify the design of a software product using an appropriate program design and notation methodology • demonstrate the exactness of simple algorithms • use a rigorous approach to ensure the exactness of the result, using mathematical tools
Faculty or entity in charge	INFO

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Additional module in computer science	APPSINF	5		🔍
Master [120] in Chemistry and Bioindustries	BIRC2M	5		🔍