

In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

5 credits

30.0 h + 30.0 h

Q1



**This learning unit is not being organized during this academic year.**

Language :	French
Place of the course	Louvain-la-Neuve
Main themes	<ul style="list-style-type: none"> <li>• Specification of simple programs, with procedures and with data structures</li> <li>• Logic and recurrence</li> <li>• Proof of simple programs, with procedures and with data structures</li> <li>• Algorithm design techniques</li> <li>• Programming schemes</li> </ul>
Aims	<p>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:</p> <ul style="list-style-type: none"> <li>• S1.I5</li> <li>• S2.2-3</li> </ul> <p>1 Students completing successfully this course will be able to</p> <ul style="list-style-type: none"> <li>• imagine a correct and efficient algorithm to solve a given problem</li> <li>• create and specify the design of a software product using an appropriate program design and notation methodology</li> <li>• demonstrate the exactness of simple algorithms</li> <li>• use a rigorous approach to ensure the exactness of the result, using mathematical tools</li> </ul> <p>-----</p> <p><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></p>
Faculty or entity in charge	INFO

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Aims
Additional module in computer science	LSINF110P	5		