

5.0 credits	30.0 h + 30.0 h	2q
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Teacher(s) :	Bonaventure Olivier ;
Language :	Français
Place of the course	Louvain-la-Neuve
Prerequisites :	FSAB1402 or equivalent
Main themes :	<ul style="list-style-type: none"> - -- Levels of abstraction in computer systems -- Processor architectures -- Machine language, assembly language and C language -- Roles and functions of operating systems -- Using functions of an operating system in applications -- Processes and Threads: Concepts, Problems and Solutions -- Multiprocessor systems
Aims :	<ul style="list-style-type: none"> -- Understand and explain what functions are performed by different levels of the hierarchy from the physical machine level up to the layer that contains the applications. -- Understand and explain the main architectures of operating systems and processors -- Use and implement efficiently the various functions and services provided by the processors and operating systems <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>
Content :	see "Main themes"
Other infos :	References R. Bryant, D. O.Hallaron, Computer Systems : A programmer's perspective, Pearson, 2011
Cycle and year of study :	<ul style="list-style-type: none"> > Bachelor in Engineering > Bachelor in Computer Science > Bachelor in Engineering : Architecture > Bachelor in Economics and Management > Bachelor in Mathematics > Master [120] in Linguistics
Faculty or entity in charge:	INFO