LSINF1252

2013-2014

Computer Systems 1

5.0 credits	30.0 h + 30.0 h	2q

Teacher(s) :	Bonaventure Olivier ;
Language :	Français
Place of the course	Louvain-la-Neuve
Inline resources:	> http://icampus.uclouvain.be/claroline/course/index.php?cid=LSINF1252
Prerequisites :	FSAB1402 or equivalent
Main themes :	- -- 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 :	-- 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 *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".*
Evaluation methods :	-- Written exam (60%) -- Projects (40%) group of 2 students. An individual project may be represented in the second session
Teaching methods :	Magistral courses and sessions proved by appointed guardian Projects by group
Content :	see "Main themes"
Bibliography :	Reference book : -- Systèmes informatiques, Olivier Bonaventure, -- lecture notes, -- http://sites.uclouvain.be/SystInfo/
Other infos :	http://sites.uclouvain.be/SystInfo/

Cycle and year of study :	> Master [120] in Linguistics > Bachelor in Computer Science > Bachelor in Economics and Management > Bachelor in Mathematics > Bachelor in Engineering
Faculty or entity in charge:	INFO

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