

ISS7AC OPERATING SYSTEMS

ISS7AC		ECTS Credits : 2		Semester : S7
Operating Systems		Duration: 21 hours		
Person(s) in charge :				
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Keywords : Hardware architecture, Operating Systems, processes, Memory				
Prerequisite : Fundamentals of programming				
Objective : Advanced knowledge of an operating system's operations and functions.				
Program and Contents:				
Acquiring a deep knowledge of how an operating system functions in order to have a better understanding of its limits as well as its performances and being able to exploit it in the best conditions in any context.				
The course will focus on the Unix/Linux operating systems.				
Abilities:				
Levels	Description and operationnal verbs			
Know	The constitution of an OS, its components roles and functions.			
Understand	The different architectures and solutions that are deployed by the OS in order to have a sound development environment.			
Apply	Input-Output with system files, network, users interface, synchronization and memory sharing.			
Analyse	Debugging tools, performance measuring.			
Summarise	Conception, realization and evaluation of an application on a given system.			
Assess	The OS choices that we are confronted with as IT engineers.			
Evaluations :				
<input checked="" type="checkbox"/> Written Test	<input checked="" type="checkbox"/> Continuous Control	<input type="checkbox"/> Oral report	<input checked="" type="checkbox"/> Project	<input type="checkbox"/> Written Report