

SYLLABUS: OPERATING SYSTEM ADMINISTRATION	CREDITS: 8 ECTS
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COMPETENCES
AFTER COMPLETING THIS COURSE, STUDENTS WILL BE ABLE TO:
C1 install and configure AD in Windows and Ubuntu
C3 manage users and machines by setting access permissions to the directory resources
C4 create and link GPOs for Administration of users and machines
C5 use LDAP to manage the directory system
C6 remotely manage the operating system, applying the criteria of security.
C7 integrate Ubuntu and Windows systems, exchanging the roles of clients and servers,
C8 use host script to manage the operating system services.
C9 establish strategies for backup
C10 diagnose systemmalfunctionsand take corrective measures.
C11 adapt to different jobs and new work situations, due to technological changes.

COMPETENCES DISTRIBUTION			
COMPETENCE		ESSENTIAL 60% TIME 60% MARK	IDEAL 40% TIME 40% MARK
C1	install and configure AD over Windwos and Ubuntu	x	
	install and configure other services and interconnect them to the directory service		x
C3	manage users and machines by setting access permissions to the directory resources	x	
C 4	create and link GPOs for Administration of users and machines	x	
C5	use LDAP to manage the directory system		x
C6	remotely manage the operating system, applying the criteria of security.	x	
C7	integrate Ubuntu and Windows systems, exchanging the roles of clients and servers,		x
C8	use host scripting to manage the operating system	x	
C9	establish strategies for backup		x
C10	diagnose the malfunctioning of the system	X	
C11	adapt to different jobs and new work situations		X

CONTENTS
AD set up in Windows server
Manage groups, ous, user profiles (mobile and mandatory) and workspaces
Manage and create GPO's
Manage roles of domain controllers
integrate Linux and Windows systems, exchanging the roles of clients and servers
Configure backups and preventive tasks
Use LDAP: tools and scripting
Use PowerShell
Set up several services and infrastructure over AD

Wds, appv, scvm, cloud virtualization