

Course Name : Advanced Operating Systems							
Course Code	Course Type	Regular Semester	Lecture (hours/week)	Seminar (hours/week)	Lab. (hours/week)	Credits	ECTS
CMP 405	B	Fall	3.00	1.00	0.00	3.50	6.00
Lecturer Sadije Bushati, Prof. Dr							
Assistant Olsi Shehu, MSc							
Course language Albanian							
Course level Master							
Description Sisteme Operative te Avancuara trajton sistemet qe instalohen ne server duke u fokusuar tek Windows Server 2016/2019. Ajo trajton instalimin, konfigurimin dhe punen ne Windows Server si dhe permend infrastrukturen ne te cilen do te kryhet ky instalim.							
Objectives							
Core Concepts Sisteme Operative te Avancuara trajton sistemet qe instalohen ne server duke u fokusuar tek Windows Server 2016/2019. Ajo trajton instalimin, konfigurimin dhe punen ne Windows Server si dhe permend infrastrukturen ne te cilen do te kryhet ky instalim.							
Course Outline							
Week	Topic						
1	Sistemet e Serverave Mini, Tower dhe Rack. Sistemet Operative te serverave, Windows, Linux, Unix, Novell.						
2	Instalimi i Windows Server 2019. Politikat e Passwordeve, instalimi i driverave.						
3	Krijimi dhe administrimi i Active Directory ne Windows Server.						
4	Rolet e Serverave. Shtimi dhe heqja e roleve te caktuara.						
5	Perdoruesit dhe Grupet ne Windows Server						
6	Konfigurimi i File Server. Menaxhimi i te drejtave te share dhe lejet NTFS						
7	Konfigurimi i Print Server. Menaxhimi i printerave dhe te drejtave te tyre ne AD						
8	Provimi i Ndermjeterem. Midterm Exam						
9	Konfigurimi i DHCP. Menaxhimi i klienteve dhe serverit DHCP ne nje sistem me minimumi 2 LAN.						
10	Konfigurimi i politikave te sigurise dhe grupeve ne Server. Menaxhimi i tyre.						
11	Persdorimi i Powershell ne konfigurimin e ambientit Server						
12	Menaxhimi i Updateve te Windows Server me ane te serverave WSUS						
13	Konfigurimi i Makinave Virtuale ne ambientin Hyper V						
14	Menaxhimi i Makinave Virtuale ne ambientin Hyper V						
15	Prezantimi i Projektit te Kursit						
16	Final Exam						

Prerequisites	The student must attend the course at a minimum rate of 75%.		
Literature	• Koncepte te Avancuara te Sistemeve Operative		
References	• Advanced Concepts In Operating Systems		
Course Outcome			
1	Sisteme Operative te Avancuara trajton sistemet qe instalohen ne server duke u fokusuar tek Windows Server 2016/2019. Ajo trajton instalimin, konfigurimin dhe punen ne Windows Server si dhe permend infrastrukturen ne te cilen do te kryhet ky instalim.		
2	Sisteme Operative te Avancuara trajton sistemet qe instalohen ne server duke u fokusuar tek Windows Server 2016/2019. Ajo trajton instalimin, konfigurimin dhe punen ne Windows Server si dhe permend infrastrukturen ne te cilen do te kryhet ky instalim.		
Course Evaluation			
In-term Studies		Quantity	Percentage
Midterms		0	0
Quizzes		0	0
Projects		1	30
Term Projects		0	0
Laboratory		0	0
Class Participation		1	10
Total in-term evaluation percent			40
Final exam percent			60
Total			100
ECTS Workload (Based on Student Workload)			
Activities	Quantity	Duration (hours)	Total (hours)
Course duration (Including the exam week: 16x Total hours of the course)	16	4	64
Study hours outside the classroom (Preparation, Practice, etc.)	14	6	84
Duties	1	4	4
Midterms	0	0	0
Final Exam	1	4	4
Other	0	0	0
Total Work Load			156
Total Work Load / 25 (hours)			6.24
ECTS			6.00