Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
INF437	Modern Network Management	8	3	0	0	3	5

Prerequisites	
Admission Requirements	

Language of Instruction	French
Course Type	Elective
Course Level	Bachelor Degree
Objective	This course aims to cover ACTIVE DIRECTORY, switch settings and management, network management principles and philosophy, and system security, both theoretically and practically.
Content	Week 1 Active Directory Setup and Domain Controller Week 2 Determining Group Policies I Week 3 Determination of Group Policies II Week 4 Network Management Policies Week 5 Domain Management in Laboratory Environment I Week 6 Domain Management in Laboratory Environment II Week 7 Domain Management in Laboratory Environment III Week 8 Midterm Exam Week 9 How Switches Work Week 10 Spanning Tree Week 11 VLAN Configurations I Week 12 VLAN Configurations II Week 13 Security Issues in Switch Settings Week 14 Security Settings on Switches
References	1. MCSE 2: Active Directory Sınavlarına Hazırlık Kılavuzu, Murat Bayraktar, Medyasoft Yayınları, 2003.

Theory Topics

Week	Weekly Contents
1	The installation of Active Directory and Domain Controller
2	Determination of the group's policies I
3	Determination of the group's policies II
4	The installation of email server and management
5	The policies of email server
6	Firewall rules
7	The policies of network management
8	Midterm exam
9	The advanced security in switches
10	Spanning Tree
11	VLAN configurations I
12	VLAN configurations II
13	802.1x examples I
14	802.1x examples II