Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
INF471-A	Computer Security	7	2	0	2	3	4

Prerequisites	
Admission Requirements	

Language of Instruction	French
Course Type	Compulsory
Course Level	Bachelor Degree
Objective	The aim of this course is to convey information security principles and principles to the students.
Content	Week 1: IIS installation and management, Ftp server installation and management Week 2: IIS and Ftp server security policies Week 3: Network setup and ip management Week 4: DHCP server setup and management Week 5: Arp broadcast attacks and prevention methods Week 6: The way ICMP packages, ping and tracetoute programs work Week 7: DDOS attacks and prevention methods Week 8: Midterm exam Week 9: DNS server setup and management Week 10: DNS server security policies Week 11: Email server installation and management Week 12: Security measures related to email server Week 13: RAID types, setup and management Week 14: Ethical rules and policies in network management
References	1. MCSE 1: Sertifika Sınavlarına Temel Hazırlık Kılavuzu, Ali Halaç ve Gökalp Harman, Medyasoft Yayınları, 2003. 2. Teori ve Uygulamalar ile TCP/IP ve Ağ Güvenliği, Can Okan Dirican, Açık Akademi, 2005. 3. Hacking Interface Bilişimin Yeraltı Dünyasından, Hamza Elbahadır, Kodlab Yayın, 2015. 4. Hacking / Bilişim Korsanlığı ve Korunma Yöntemleri, Davut Yılmaz, Hayat Yayınları, 2004.

Theory Topics

Week	Weekly Contents
1	IIS installation and management, Ftp server installation and management
2	IIS and Ftp server security policies
3	Network setup and ip management
4	DHCP server setup and management
5	Arp broadcast attacks and prevention methods
6	The way ICMP packages, ping and tracetoute programs work
7	DDOS attacks and prevention methods
8	Midterm exam
9	DNS server setup and management
10	DNS server security policies
11	Email server installation and management
12	Security measures related to email server
13	RAID types, setup and management
14	Ethical rules and policies in network management

Theory Topics

Week	Weekly Contents