



## 7. Topics and approximate lecture hours:

Lectures	Topic
1	Security services + Example of secure messages exchange
3	Public Key Infrastructures + Lab
1	Packet and Content level filtering
1	FW-UTM-NGFW
1	Intrusion prevention - IPS – WAF - Honeypot
1	Security Zones concept and Design
1	VPN + Tunneling concepts
1	Comparison between different protocols (Layer 2 – IPsec – SSL VPN- SSTP)
1	PPTP/L2TP – IPsec + Lab
1	SSL + Lab
1	Identity Management
1	802.1x + NAC
1	Data Leak Prevention
2	Network Management
2	Centralized Logging – SEIM – SOC tools
1	Traffic flow matrix + Case study
1	Case study: studying an existent design + defining the Flow Matrix
1	Case study: Designing internal security Zones
1	Case study: Designing Internet Access protection
1	Case study: Designing a VPN solution
1	Case study: choosing the Appliances (based on datasheets)
1	Case study: NAC solution
2	SDN Security