

Module 2 - Weeks 2-3: Computer Networks and Network Security

Theory Hours: 30

Lab Hours: 15

Subjects:

- Basic networking concepts
- Network protocols and devices
- IP addressing and subnetting
- Network security fundamentals
- Firewalls and Intrusion detection systems
- Virtual Private Networks (VPNs)
- Implementing secure network design and secure mobile solutions
- Analyzing indicators associated with network design

Activities:

1. Lab - Configuring VLANs
2. Lab - Configuring network address translation
3. Lab - Performing ARP poisoning