

Cyber Security tools and Technologies

Mid-II Syllabus

Book

Computer Security

Fundamentals

Chapter 6 (Introduction to Computer Security)

- ❖ Introduction
- ❖ Basic Terminology
- ❖ The Reconnaissance Phase
- ❖ Actual Attacks
- ❖ Malware Creating
- ❖ Penetration Testing

Chapter 7 (Industrial Espionage in Cyberspace)

- ❖ Introduction
- ❖ What is Industrial Espionage?
- ❖ Information as an Asset
- ❖ How Does Espionage Occur?
- ❖ Protecting Against Industrial Espionage
- ❖ Spear Phishing

Forum: TryHackMe

Nmap

1. **Nmap Basic Port Scanning**
2. **Nmap Advanced Port Scanning**

Vulnerability Research: Week 10

1. Vulnerabilities 101

- **Intro to Vulnerabilities**
- **Scoring vulnerabilities Overview**
 - **Frameworks: CVSS & VPR**

Other Material

Slides / Notes shared on GCR

Notes/Slides: Week 9

- ❖ CISSP: Security Domains for Cyber Analyst

Software Security

- ❖ Overview
- ❖ EU General Data Protection Regulation requirements for software