

Ethical Hacking and Countermeasures Course Outline

1. Introduction to Ethical Hacking
2. Footprinting
3. Scanning
4. Enumeration
5. System Hacking
6. Trojans and Backdoors
7. Sniffers
8. Denial of Service
9. Social Engineering
10. Session Hijacking
11. Hacking Web Servers
12. Web Application Vulnerabilities
13. Web-based Password Cracking Techniques
14. SQL Injection
15. Hacking Wireless Networks
16. Virus and Worms
17. Physical Security
18. Linux Hacking
19. Evading IDS, Firewalls, and Honeypots
20. Buffer Overflows
21. Cryptography
22. Penetration Testing