



**HACKERU**



# Cyber Infrastructure Attacks

CR105

**05**  
Days

# Cyber Infrastructure Attacks

## Outline

In this course, you will take your first steps in Cyber Security!

The lessons will guide you through the initial stage of an attack, in which information is gathered, and then you will learn how to make your way into the organization. You will be introduced to network data analysis, and how to make sure you are not discovered when involved in offensive cyber activity.



### Target Audience

- Personnel who want to learn about the information gathering process.
- Personnel who aspire to be ethical hackers.
- Personnel who want to understand basic methods of hacking into a network.



### Prerequisites

Before attending this course, Personnel must have the following technical knowledge:

- Basic knowledge of the Linux OS.
- Basic knowledge of the Windows OS.
- Basic knowledge of networking.



### Objectives

Upon completing this course, graduates will be able to:

- Analyze network traffic.
- Gather information about targeted victims.
- Scan networks and find possible ways to breach them.
- Perform online & offline brute-force attacks against targets without leaving any footprints.



## Content

Day  
1

### Module 01 Wireshark

- | Wireshark usage
- | Capture data on a network
- | Analyzing data using Wireshark

Day  
2

### Module 03 Network Scan

- | Network layout & Services
- | TCP & UDP handshake
- | Port scan
- | IDLE scan
- | Firewall & IDS evasion
- | Automation scan

Day  
1

### Module 02 Footprinting and reconnaissance

- | Search engines
- | People search
- | Google Hacking DB
- | Website footprinting
- | Information gathering

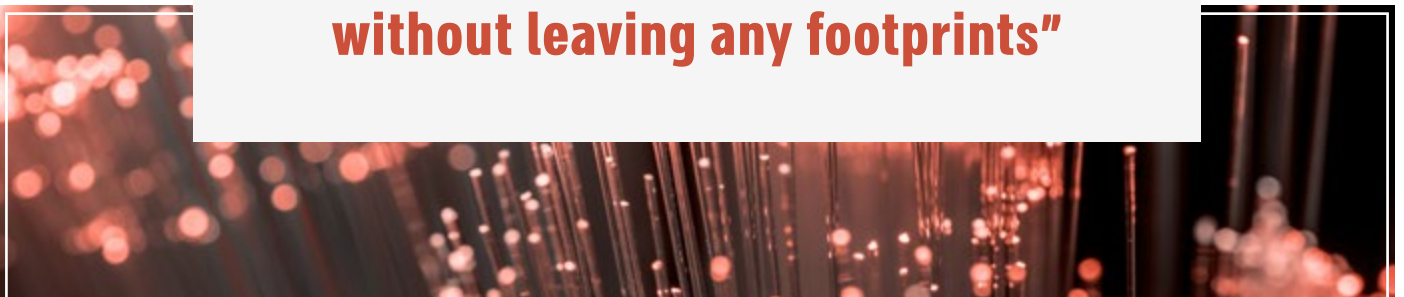
Day  
3

### Module 04 Password cracking

- | Attack types
- | Hash types
- | Local cracking
- | Remote Cracking



Perform online and offline  
brute-force attacks against targets  
**without leaving any footprints"**



Day  
4

## Module 05 Wi-Fi Attack

- | Wi-Fi encryption
- | EAPOL protocol
- | Automated Frameworks
- | Data sniff
- | Rouge Access Point

Day  
4

## Module 06 Men In The Middle

- | MITM Technique
- | Arp spoof
- | DNS spoof
- | Bypassing SSL
- | MITM Automated Frameworks

Day  
5

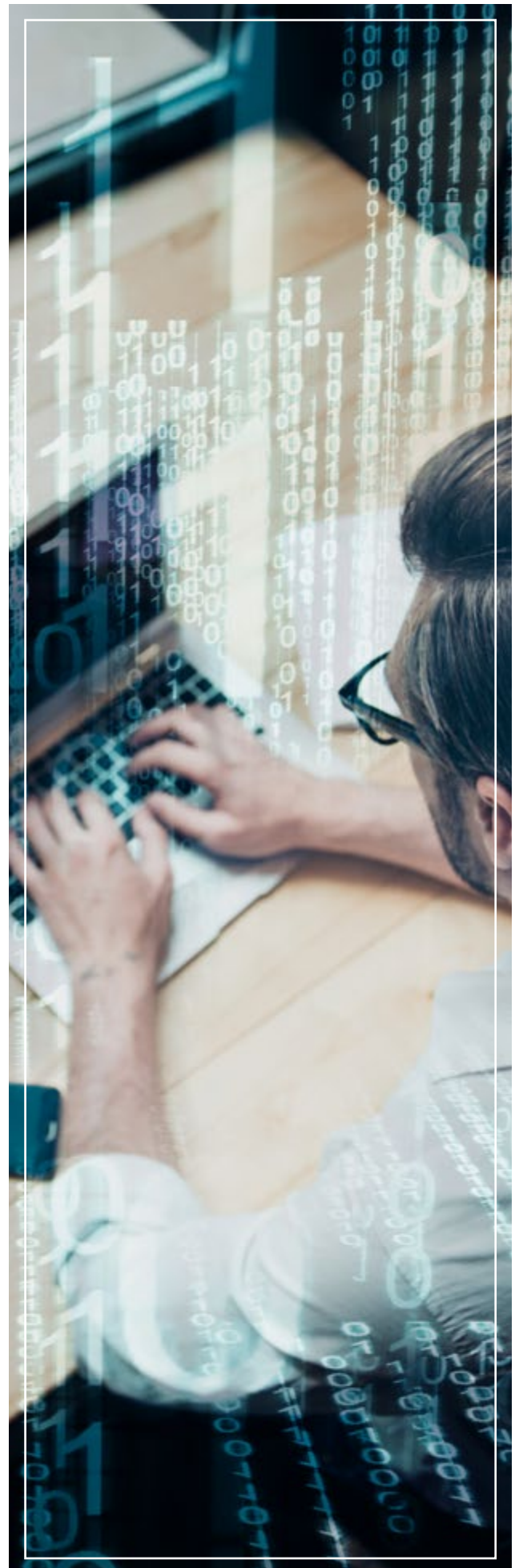
## Module 07 Hacking Frameworks & Automation

- | Terminology
- | Search Engines
- | Automated Framework
- | Creating malicious files

Day  
5

## Module 08 Anonymity on the network

- | Proxy
- | VPN
- | Proxy chain
- | TOR



# The HackerU **Advantage**

We have unparalleled experience in building advanced training programs for companies and organizations around the world – Talk to one of our experts and find out why.

**01**

**Handcrafted  
Training Programs**

**02**

**State-Of-The-Art  
Learning Materials**

**03**

**Israel's Premier  
Training Center**

**04**

**Fueled by Industry  
Leading Cyber  
Experts**

**05**

**Over 20 Years  
of Proven IT-  
Education Success**



[Info@hackerupro.com](mailto:Info@hackerupro.com)



[hackerupro.com](http://hackerupro.com)