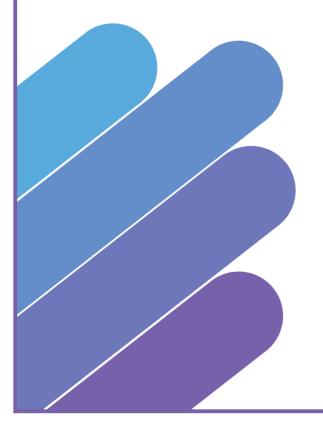


# Course Roadmap

Version 7.0



Mobile: +88 01310-333-444 Email: info@arenawebsecurity.net

Address: B/1, Main Road,

Banasree, Rampura, Dhaka - 1219



#### 1st week

#### 2 Credit

- ▶ What is Ethical Hacking?
- ▶ Why we have to Learn Ethical Hacking?
- ▶ Ethical Hacking career
- Login Page injection
- ► SQLi
- Assignment

#### 2nd week

#### 3 Credit

- Open-Source Intelligence
- Live OSINT project
- ► Tracking of a target person
- ▶ Recover any deleted files. [ PC or Mobile]
- Cryptography
- Cypher Language
- From social media
- Web server Whois
- subdomain
- Reserved IP Location
- Which platform used for developing
- ▶ Ping to identify server details
- ► Collecting Information from Email Header
- ► Email Tracking Tools
- Evading IDS, Firewalls, and Honeypots
- Malware Threats [Virus]
- Assignment

#### 3rd week (2 classes)

#### 3 Credit

- Denial-of-Service
- ▶ What is a Denial-of-Service Attack?
- ▶ What Is Distributed Denial of Service Attacks?
- ► How Distributed Denial of Service Attacks Work
- Live DDOS
- What is a Trojan?
- ▶ Batch programmer
- ► File Extension Viruses
- ▶ Pen Testing for Trojans and Backdoors
- ▶ Penetration Testing for Virus
- All Possible Passwords Cracking Method
- Password Guessing
- Default Password
- Session Hijacking
- Private exploit of Arena Web Security
- Compromising Session IDs using Sniffing (Live practice)
- Compromising Session IDs by Predicting Session (Project)
- Assignment



#### 4th and 5th week

3 Credit

- ► SQL Inject
- ▶ PHP & MySQL Basic
- ► WAF Bypass (Live practice)
- ▶ POST base SQL Injection
- ► Error Base / X-pat
- Assignment

#### 6th week (2 classes)

2 Credit

- Server Shell script
- ▶ Web Backdoors
- ► Shell upload
- ► Target IP Exploit (Live practice)

### 7th week (2 classes)

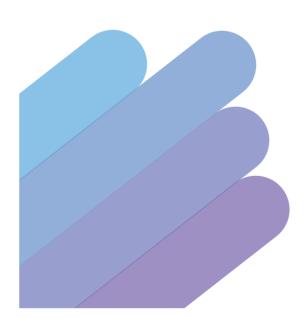
3 Credit

- ► Content Management System
- ▶ Website Development (Live Project)
- ▶ WordPress
  - Wp Exploit (Live)
  - CMS Vulnerability Assessment
- keylogger, Spyware
- ► How to make keylogger Spyware?
- ▶ How to bind keylogger file in Real setup File?
- ► Ardamex Keylogger
- ▶ Hardware Keyloggers
- ► How to Defend Against Keyloggers
- ▶ Paid course on keylogger project [free]
- Assignment

#### 8th week (2 classes)

3 Credit

- ► LFI/RFI/RCE (Paper)
- ▶ Website Security, Measuring website quality
- ▶ Web Server security, cPanel
- Assignment





#### 9th week

#### 1 Credit

- Cross site request forgery
- Cross Site Scripting (XSS)
- ► Social Engineering
- Phishing
- ▶ Social Media account recovery process.
- ► Fb / Gmail Account Security and Disable concept.
- Assignment

#### 10th week (2 classes)

2 Credit

- Linux Kali Linux
- Burpsuite
- ► Hacking Lab
- ► Kali Linux Tools
- Assignment

#### 11th week (2 classes)

3 Credit

- System Hacking
- ► Authentication Bypass
- ► Portswigger lab solve

#### 12th week (2 classes)

3 Credit

- ▶ With kali Linux
- ▶ Foot printing and Information Gathering:
- ► From social media
- Web server Whois
- subdomain
- ▶ Reserved IP Location
- Which platform used for developing
- Ping to identify server details

#### 13th week (2 classes)

2 Credit

- NMAP
- ► Computer Network Penetration Test
- ► FIN scan
- XMAS scan
- ► TCP scan
- ▶ UDP scan
- IDLE scan (Reserved)



#### 14th week (2 classes)

#### 3 Credit

- ► Website Penetration Testing:
- ▶ What is website Penetration Testing?
- ▶ Website Penetration Testing Tools
- Discussion of the different types of vulnerabilities
- Defining a web application test scope and process
- Defining types of penetration testing
- ➤ Tools and manual process of penetration testing
- ▶ Some more ++
- Assignment

#### 15th week (2 classes)

#### 3 Credit

- Outsourcing in Fiverr / Upwork:
- ▶ What is Fiverr & Upwork?
- ▶ What type of work would suit you?
- ► How create a GIG and Sell it?
- Fiverr freelancing support.
- Order and Payment
- Dollar payout process
- Assignment

#### 16th week (2 classes)

2 Credit

- Outsourcing in Hackerone and Bugcroud
- ▶ How to Hackerone and Bugcroud
- ▶ First Bug Report in Hackerone and Bugcroud
- Assignment

#### **Thesis**

6 Credit

► Thesis (2 Weeks)

#### Internship

6 Credit

► Internship (30 Days)



## ★★★ Total Credit 50

- This Credit System only works in Arena Web Security.
- Minimum 44 Credits along with Thesis, Internship & Final Exam have to complete to avail the certificate.

#### Mark distribution (Full Marks 100)

▶ Obedient to teachers : 20

▶ Supportive to course mate : 10

Mid exam : 10Viva : 10

► Thesis: 20

Final written exam: 30

#### **Bonus concept**

- ▶ Deep Web, Dark Web, Tor Network
- ► HTML and CSS Injection (optional)
- ► Hacking Mobile Platform (optional)
- Proxy Tool
- ► Free Proxy Servers
- ► Website Cookies history

