

# Ethical Hacking Bootcamp

## Detailed Curriculum

<b>Name of Unit of Qualification</b>	:	Ethical Hacking Bootcamp
<b>Duration</b>	:	30 Hours
<b>Topics</b>	:	Penetration Testing & Hacking Methodologies

<b>Chapters</b>		<b>Contents</b>	<b>Hours</b>
<b>Introduction</b>	:	Introduction and Course Overview Frequently Asked Question IC3 crime statistic Goals and objective of hacking Types of hackers Hacking terminologies	2 Hours
<b>Note Keeping</b>	:	Effective Note Keeping Important tools KeepNote & CherryTree	1 Hours
<b>Setting up Labs</b>	:	Installing VMware/VirtualBox Installing Kali Linux	1 Hours
<b>Ethical Hacking Methodology</b>	:	who are hackers and crackers Different groups of hackers & Hactivism Skills required to be an Ethical hacker Different Ethical Hacking Terminology Stages of Ethical Hacking	3 Hours
<b>Information Gathering</b>	:	Passive Reconnaissance Overview E-Mail Address Gathering Gathering Breached Credentials Theharvester Hunting Subdomains Identifying Website Technologies Footprinting DNS Domain Name whois Banner grabbing	5 Hours

<b>Scanning and Enumeration</b>	: Scanning with Nmap Enumerating HTTP/HTTPS Enumerating SMB Enumerating SSH Researching Potential Vulnerabilities	3 Hours
<b>Exploitation Basic</b>	: Metasploit Overview Reverse Shells vs Bind Shells Staged vs Non-Staged Payloads Manual Exploitation Brute Force Attacks Password Spraying and Credential Stuffing Buffer Over Flow	8 Hours
<b>Post Exploitation</b>	: Introduction File Transfers Review Maintaining Access Pivoting Lab Setup Pivoting Walkthrough	3 Hours
<b>Wireless Penetration Testing</b>	: Wireless Penetration Testing WEP Exploit Walkthrough WPA PSK Exploit Walkthrough	3 Hours
<b>Legal Documentation/Report Writing</b>	: Common Legal Documents Pentest Report Writing	45 Min
<b>Career Advice</b>		15 Min
<b>Soft Skills</b>	<ul style="list-style-type: none"> <li>• Verbal/ Non-verbal communication</li> <li>• Interview skills</li> <li>• Professional/social etiquettes</li> <li>• Professional correspondence/ English</li> </ul>	