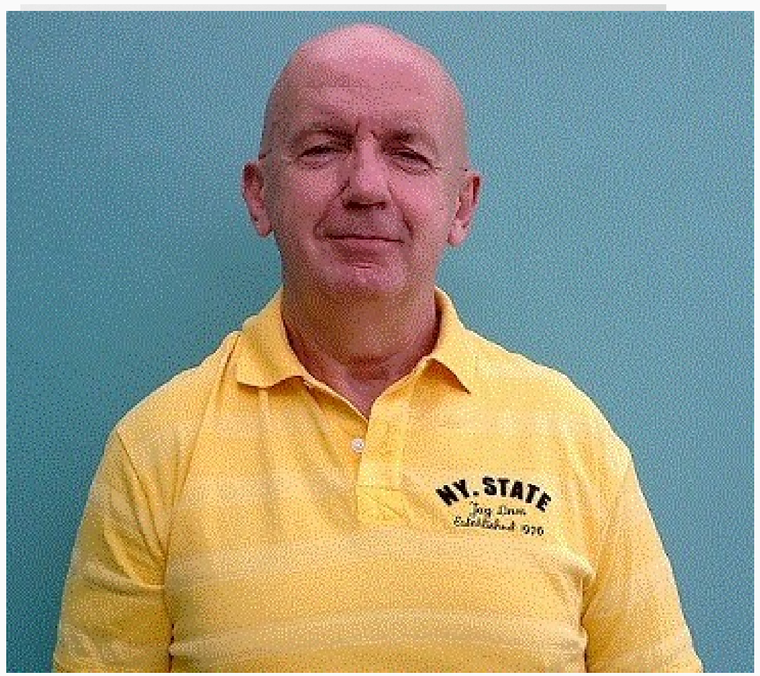
Ethical Hacking - A Hands-On Approach to Ethical Hacking

Prof. K



Prof. K

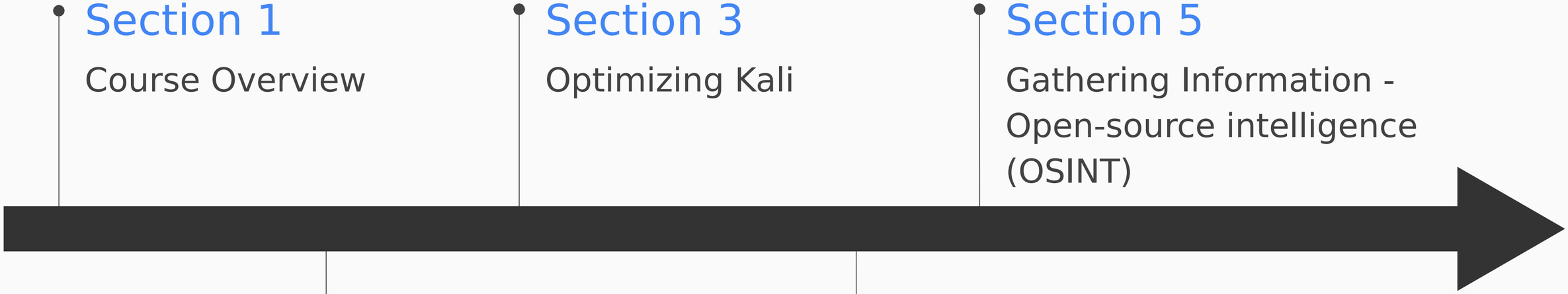
- Master of Science in Cybersecurity
- Master of Science in Information Technology
- Over 20 Years of experience as Networking Consultant, Ethical Hacker, Technical Trainer and Online Instructor
- Reach me at: information@syberoffense.com

The Course Overview

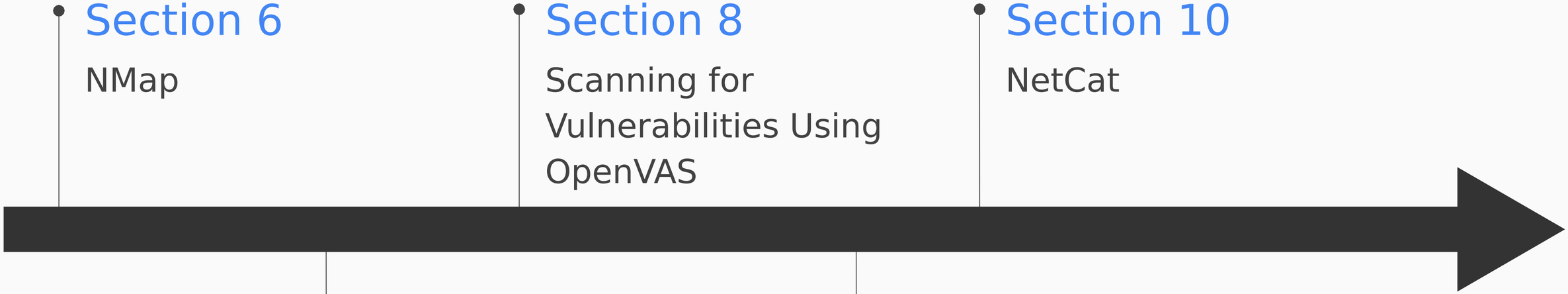
Network Design

- Labs are built using VirtualBox
- All links for software ISO, and OVA images are provided in the lab files
- One unattended Virtual Install of XP
- One Virtual Install of Kali Linux
- One virtual Install of CSI Linux Investigator
- Additional virtual installs of Microsoft Server 2008 and Linux Metasploitable

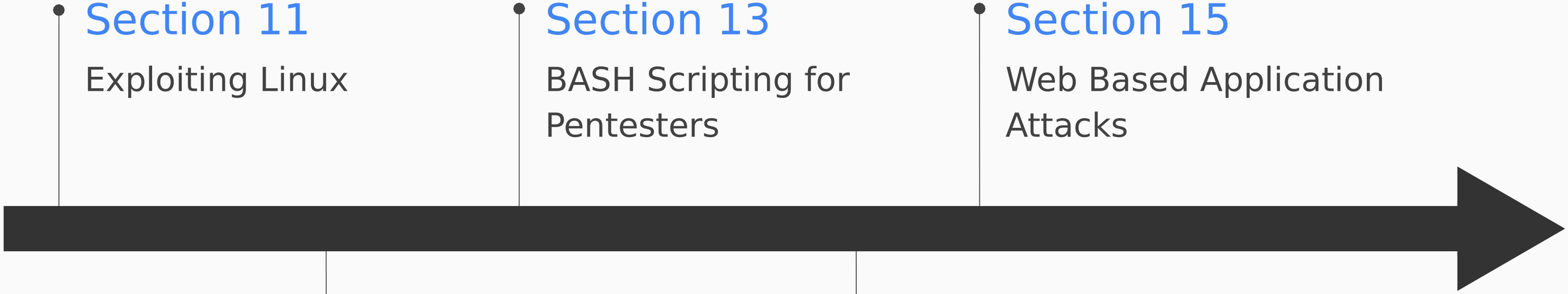
Curriculum


Section 1
Course Overview
Section 3
Optimizing Kali
Section 5
Gathering Information - Open-source intelligence (OSINT)
Section 2
Building Your Virtual Lab Environment
Section 4
Anonymity - Remaining Anonymous While Hacking Online

Curriculum


Section 6
NMap
Section 8
Scanning for Vulnerabilities Using OpenVAS
Section 10
NetCat
Section 7
Scanning for Vulnerabilities Using NESSUS
Section 9
Exploiting Windows XP

Curriculum


Section 11
Exploiting Linux
Section 13
BASH Scripting for Pentesters
Section 15
Web Based Application Attacks
Section 12
Social Engineering
Section 14
Password Cracking

Curriculum

Section 16

Browser Exploitation Framework (BeEF)

Section 17

Capture the Flag Walkthrough - Mr. Robot

Section 18

Capture the Flag Walkthrough – Stapler

Section 19

Bonus - Digital Forensics Case Management

Hardware and Software Requirement

- A host machine with a preferred operating system of Windows 7, 8 or 10
- A minimum of 4 GB of RAM (8 GB recommended)
- A system BIOS capable of Supporting VT+x virtualization
- Internet connection

Prerequisites

- Basic knowledge of operating systems, networking principles, IP Addressing and DNS.

Extra Information

- More lessons to be added.
- Lifetime access to the course.

Let’s Get Started