

- **The Python Language**
  - Variables
  - Strings
  - Lists
  - Dictionaries
  - Networking
  - Selection
  - Exception Handling
  - Functions
  - Iterations
  - File I/O
  - Sys Module
  - OS Module
  
- **Penetration Testing with Python**
  - Building a port scanner
  - Building an SSH Botnet with Python
  - Mass Compromise by Bridging FTP and Web
  - Creating a Conflicker
  - Writing Your Own Zero-Day PoC Code
  
- **Forensic Investigations with Python**
  - Extracting computer location from wireless access point
  - Recovering deleted files
  - Extracting metadata
  - Extracting data from Applications databases
  
- **Network Traffic Analysis**
  - Raw Sockets and Sniffing
  - Owing the network with Scapy
  - GeoIP Traffic Analysis
  - Analyzing LOIC Traffic
  - Understanding TTL Field
  - Detecting Malware with Scapy
  - Foiling Intrusion Detection Systems with Scapy
  
- **Wireless Hacking with Python**
  - Sniffing credit cards & password from the wireless network
  - Listening for 802.11 probe requests
  - Crafting 802.11 Frames with Scapy
  - Catching WordPress cookie reuse

- **Web Hacking with Python**
  - Recon prior to attack
  - Scraping web pages
  - Bruteforcing directories and file locations
  - Bruteforcing HTML Form Authentication
  - Burp Fuzzing from Python
  - Turning website content into password gold
- **Python vulnerability scanning automation**
  - Scanning your network with nmap on python
  - Looking for vulnerabilities
  - SSL Labs API
- **Python security monitoring**
  - Detecting new devices in your network
  - Automating triage process
  - Categorizing assets in your network
  - Public information gathering

