

Course Syllabus

Computer Hacking and Forensics

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Course Description and Goals

Course Description : Love the idea of digital forensics investigation ? That is what computer forensics is all about. You will learn how to determine potential online criminal activity at its inception , legally gather evidence, search and investigate wireless attacks.

Who is this course For? SOC Analyst Career Path, Cybersecurity Engineers, College Students

Course Goals: By the end of this course, students should be able to:

- Learn about computer forensics as it is today
- Be familiarized with the computer forensics investigation process and labs
- Learn anti-forensics techniques
- Learn about forensic reporting.

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Course Outline

Module 1 | Computer Forensics Today

- Lesson 1.0: Course Introduction (08:38)
- Lesson 1.1: Computer Forensics Today Part 1 (07:36)
- Lesson 1.2: Computer Forensics Today Part 2 (08:17)
- Lesson 1.3: Computer Forensics Today Part 3 (11:07)
- Lesson 1.4: Analyze Photos Lab Part 1 (14:01)
- Lesson 1.5: Analyze Photos Lab Part 2 (06:32)
- Lesson 1.6: Analyze Photos Lab Part 3 (10:49)

Module 2 | Computer Forensics Investigation Process

- Lesson 2.1: Computer Forensics Investigation Process Part 1 (11:20)
- Lesson 2.2: Computer Forensics Investigation Process Part 2 (09:09)

Module 3 | Hard Disks and File Systems

- Lesson 3.1: Hard Disks and File Systems Part 1 (05:37)
- Lesson 3.2: Hard Disks and File Systems Part 2 (05:19)
- Lesson 3.3: Hard Disks and File Systems Part 3 (04:56)
- Lesson 3.4: Hard Disks and File Systems Part 4 (04:10)
- Lesson 3.5: Hard Disks and File Systems Part 5 (04:11)
- Lesson 3.6: Hard Disks and File Systems Part 6 (04:38)
- Lesson 3.7: Recovering Graphics Files Lab Part 1 (06:46)
- Lesson 3.8: Recovering Graphics Files Lab Part 2 (10:57)
- Lesson 3.9: Recovering Graphics Files Lab Part 3 (11:33)

Module 4 | Data Acquisition

- Lesson 4.1: Data Acquisition Part 1 (06:53)
- Lesson 4.2: Data Acquisition Part 2 (05:23)
- Lesson 4.3: Forensics Lab Part 1 (08:42)
- Lesson 4.4: Forensics Lab Part 2 (07:47)

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Module 5 | Anti-Forensics Techniques

Lesson 5.1: Anti-Forensics Techniques Part 1 (06:11)

Lesson 5.2: Anti-Forensics Techniques Part 2 (07:38)

Module 6 | Hard Disks and File Systems

Lesson 6.1: Operating System Forensics Part 1 (04:24)

Lesson 6.2: Operating System Forensics Part 2 (03:41)

Lesson 6.3: Operating System Forensics Part 3 (06:22)

Module 7 | Network Forensics

Lesson 7.1: Network Forensics (08:21)

Module 8 | Web Attack Investigation

Lesson 8.1: Web Attack Investigation Part 1 (04:02)

Lesson 8.2: Web Attack Investigation Part 2 (11:28)

Lesson 8.3: Web Attack Investigation Part 3 (07:22)

Module 9 | Database Forensics

Lesson 9.1: Database Forensics (04:44)

Module 10 | Forensics with the Cloud

Lesson 10.1: Forensics with the Cloud Part 1 (06:47)

Lesson 10.2: Forensics with the Cloud Part 2 (06:20)

Module 11 | Malware

Lesson 11.1: Malware Part 1 (05:49)

Lesson 11.2: Malware Part 2 (03:04)

Lesson 11.3: Malware Part 3 (08:37)

Module 12 | Email Investigation

Lesson 12.1: Email Investigation Part 1 (06:15)

Lesson 12.2: Email Investigation Part 2 (04:11)

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Module 13 | Mobile

- Lesson 13.1: Mobile Part 1 (04 :27)
- Lesson 13.2: Mobile Part 2 (04 :47)
- Lesson 13.3: Mobile Part 3 (03 :08)
- Lesson 13.4: Mobile Part 4 (03 :25)
- Lesson 13.5: Mobile Part 5 (05:06)

Module 14 | Forensic Reporting

- Lesson 14.1: Forensic Reporting (08:00)

Module 15 | Course Summary

- Lesson 15.1: Course Summary (02:38)

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