

Course Syllabus

Malware Threats

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Instructor Website:

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Course Creation Date: 11/27/19

Course Description and Goals

Course Description: This Malware Threats course will provide students with an introduction to different types of malware, like viruses, worms, and Trojans. Students will gain hands-on experience in analyzing malicious files, identifying malicious processes, and more. This basic course is a good starting point for students interested in both penetration testing and malware analysis. Students studying for industry certification exams, like CEH, may find the course beneficial.

Prerequisites: Students should be familiar with common IT and cybersecurity terminology.

Study Resources: The course will include a study guide and glossary. Students will also get step by step guides for all labs.

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

- Explain the common types of malware
- Analyze a malicious file

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Labs Used: Students will use the following labs from the Cybrary catalog.

Analyze and Classify Malware

<https://app.cybrary.it/browse/cybrscore/analyze-and-classify-malware>

Rootkit

<https://app.cybrary.it/browse/cybrscore/rootkit>



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Course Outline

Module 1 | Introduction

Lesson 1.1: Introduction (2:48)

Lesson 1.2: Malware Introduction (5:22)

Module 2 | Analyzing Malware

Lesson 2.1: Analyze and Classify Malware Lab Part 1 (8:51)

Lesson 2.2: Analyze and Classify Malware Lab Part 2 (3:41)

Lesson 2.3: Rootkit Lab Part 1 (8:19)

Lesson 2.4: Rootkit Lab Part 2 (8:30)

Lesson 2.5: Rootkit Lab Part 3 (7:42)

Module 3 | Conclusion

Lesson 3.1: Conclusion (1:55)

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