

Syllabus

COURSE GENERAL INFORMATION

Course Title: Ethical Hacking 1

Code: PWHE1020

Contact Hours: 42.5

Term: December 22, 2020 – February 8, 2021

Teacher: Joel Vargas Ramos

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Course Description

- This Course enables students to understand the importance of vulnerability assessments by providing industry knowledge and skills in Vulnerability Assessments. In doing so, the student is able to understand how malware and destructive viruses function. In addition, the course helps students learn how to implement counter response and preventative measures when it comes to a network hack.

Objective

- The Certified Professional Ethical Hacker vendor neutral certification course is the foundational training to mile2's line of penetration testing courses. By the completion of this course the student will be prepared to practice in a virtual simulation lab as to physical labs to approach the next step towards the C)PEH certification. This Course is one of three courses required to achieve the C)PEH candidate exam.

Skills Distribution

- Introduction to Ethical Hacking
- Linux Fundamentals
- Protocols
- Cryptography
- Password Cracking
- Malware
- Security Devices
- Information Gathering Recon

Assessment:

- Cybersecurity Case Study
- Protocols and Cryptography
- Password Cracking and Malwares

Lab Policy

1. For the student's and equipment's safety **no eating and/or drinking** is allowed in the classroom or laboratory.
2. Students must always apply preventing ESD (Electrostatic Discharge) procedures before using electronic devices.
3. The use of Smartphone or any other personal device is prohibited during lab sessions unless approved by the professor.

Evaluation Criteria

CRITERIA	Grade total
1 Mid-Term Exam	100
1 Final Exam	100
Quizzes	100
Assessment 1-2	100
Assessment 3	100
Total	500

*6 Points less for each absence.

*Assignments are always due in class on the day designated. You are responsible for any work lost due to technical problems, etc. Late papers will lose a letter grade for each day that they are late. Any exceptions must be properly documented and discussed in advance for an extension to be arranged.

Educational Resources

Neo LMS (2020). Ethical Hacking I. *passwordtech.edu20*.

https://passwordtech.edu20.org/teacher_lessons/list/1594282

Mile 2 (2020). Cybersecurity Security Information. *Mile2*. <http://mile2.com/>

Notes

• **Reasonable Accommodation:** Any student who requires a reasonable accommodation should do the request at the beginning of the course or as soon as he / she acquires knowledge of what it requires, through the Professor in charge and this notifying the Academic Director.

• **Honesty, fraud, plagiarism:** The lack of honesty, fraud, plagiarism and / or any other inappropriate behavior in relation to the student's academic performance constitute violations of the Institution's Catalog, its Rules of Conduct and Student Duties. Major infractions, as determined by the Catalog, may result in the suspension of the Institution for a definite time or permanent expulsion as stipulated in the Norms of Conduct and Duties of the Student.