



L'excellence à la portée de tous !

Un ministère de Calvary Chapel-Port-au-Prince

(509) 2209-5686 - administration@uespoir.edu.ht - www.uespoir.edu.ht

Syllabus

Course Title

CYBER SECURITY

I. Course Objectives

The objective of this course is to help students understand issues related to cybersecurity so that they can continue on the path to becoming White Hat technicians and protect the IT infrastructures of a company.

II. Prerequisites

- Python, C, or C++ programming
- Networking and Communication

III. Materials and Books

Getting Started Becoming a Master Hacker by Occupytheweb Other materials will be provided in class, mainly in electronic format.

IV. Course Content

- Passive Reconnaissance
- Active Reconnaissance
- Vulnerability Scanning
- Password Cracking
- Metasploit Exploitation
- Sniffing and Protocol Analysis
- Post-Exploitation
- Web Hacking
- Evading Anti-Virus (AV)
- Covering Your Tracks
- Wi-Fi Hacking
- Malicious Python
- Social Engineering
- Cryptography Basics for Hackers

References

Presented in class.

Course Regulations

Students must always be present, except in cases where the administration has studied the issue, and the justification is approved by the administration of the university. Assignments must be submitted on the date set by the professor. Any assignments not submitted or incomplete will receive a score of 0. Late assignments will not be accepted.

The final grade is a combination of:

1. Homework 30%
2. Tests 70%