



CYBERIUM ARENA — SIMULATOR —



SYLLABUS

PYTHON FUNDAMENTALS

MAIN FEATURES



Labs

The labs hold questions and tasks to support the training.



Book

The coursebooks accompany the lecturers and students alike in cybersecurity studies.



Scenarios

Provide participants possible situations from cybersecurity or cyberterrorism to solve.



Project

Trainees must complete a practical built-in project, produce defense and assault tools.



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Description

Python is an easy language used by many to build tools in different fields, including cyber. This program provides the students with a stepping-stone on understanding programming logic and creating basic scripts to take their skills to the next level.

MODULES

Module 1: Introduction to Python

Introduction

- Installing of Python
- Variables and Booleans
- Dictionaries and Tuples
- Loops

Module 2: Conditions and Functions

Conditions

- Conditional Statements
- While and For Loops
- Scoping and Subroutines

Functions

- Working with Functions
- External Functions
- Exceptions

Module 3: Files I/O

Python Modules

- Reading Files
- Extracting Data
- Writing into Files
- The OS Module