**Syllabus**

**COURSE GENERAL INFORMATION**

Course Title: CompTIA Security + Laboratory

Code: LWSE1030

Contact Hours: 45

Term: September 29, 2019 – October 28, 2020

Teacher: Joel Vargas Ramos

Email: [jvargas@passwordpr.com](mailto:jvargas@passwordpr.com)

**Course Description**

This course is targeted toward an Information Technology (IT) professional who has networking and administrative skills in Windows-based TCP/IP networks and familiarity with other operating systems, such as OS X, Unix, or Linux, and who wants to further a career in IT by acquiring a foundational knowledge of security topics; prepare for the CompTIA Security+ Certification examination; or use Security+ as the foundation for advanced security certifications or career roles.

**Objective**

Upon successful completion of this course, students should be able to:

* Identify the fundamental concepts of computer security, identify security threats and vulnerabilities, examine network security, manage application, data and host security, identify access control and account management security measures, identify compliance and operational security measures, manage risk, manage security incidents, develop business continuity and disaster recovery plans. The CompTIA® Security+® courses are designed to help you prepare for the SY0-501 exam.

Course Prerequisites: CompTIA Security + PWSE 1030

**Skills Distribution**

* Mastering Security Basics
* Understanding IAM
* Network Technologies Tools
* Securing your Network
* Securing Hosts and Data
* Threats Vulnerabilities Attacks
* Advance Attacks

**Assessments**

* Assessment 1- Security Basic
* Assessment 2- Access Management
* Assessment 3- Secure Host, Data and Network
* Assessment 4- Cybersecurity

**Laboratories**

* [Lab 1: Windows Command Prompt](https://passwordtech.edu20.org/teacher_dropbox_assignment/show/16993701)
* [Lab 2: Stenography with S-Tools](https://passwordtech.edu20.org/teacher_dropbox_assignment/show/17202166)
* [Lab 3: Crack Weak Password](https://passwordtech.edu20.org/teacher_dropbox_assignment/show/17255549)
* [Lab 4: Router and Switches Resilience](https://passwordtech.edu20.org/teacher_dropbox_assignment/show/17331216)
* [Lab 5: Hidden Files](https://passwordtech.edu20.org/teacher_dropbox_assignment/show/17523135)
* [Lab 6: Installing a Virtual Machine](https://passwordtech.edu20.org/teacher_dropbox_assignment/show/17715806)
* [Lab 7: Qualys SSL Labs](https://passwordtech.edu20.org/teacher_dropbox_assignment/show/17854419)

**Evaluation Criteria**

|  |  |
| --- | --- |
| **CRITERIA** | **Grade total** |
| Laboratory 1-3 | 100 |
| Laboratory 4-5 | 100 |
| Laboratory 6-7 | 100 |
| Assessments 1-4 | 100 |
|  |  |
| Total | 400 |

\*6 Points less for each absence. 100 Points when starting the course.

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**

Gibson, D. (2017). CompTIA Security + Get certified get ahead SY0-501 Study Guide.

(4th Edition). YCDA, LLC. Virginia Beach, VA.

Neo (2019). Security + SY0-501. Passwordtech.edu20. Retrieve of

<https://passwordtech.edu20.org/lessons/list/1441316>

**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.