**Syllabus**

**COURSE GENERAL INFORMATION**

Course Title: CompTIA Security +

Code: PWSE1030

Contact Hours: 42.5

Term: September 29, 2020– October 28, 2020

Teacher: Joel Vargas Ramos

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**Course Description**

IT security is paramount to organizations as cloud computing and mobile devices have changed the way we do business. With the massive amounts of data transmitted and stored on networks throughout the world, it’s essential to have effective security practices in place. As a benchmark for best practices in IT security, this course covers the essential principles for network security and risk management – making it an important stepping stone of an IT security career.

**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 A+ Course, CompTIA Network+ Course

**Skills Distribution**

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

**Forums:**

* [Foro 1: Que es y para qué sirve la Deep Web?](https://passwordtech.edu20.org/teacher_discussion_assignment/show/17041981)
* [Foro 2: Como nuestros datos son utilizados en base a nuestro perjuicio](https://passwordtech.edu20.org/teacher_discussion_assignment/show/17254523)
* [Foro 3: Que son los archivos Thumbs.db y como se eliminan](https://passwordtech.edu20.org/teacher_discussion_assignment/show/17485692)
* [Foro 4: Amazon Echo records private conversation and sends to co-worker](https://passwordtech.edu20.org/teacher_discussion_assignment/show/17655955)
* [Foro 5: Asistentes Virtuales nos espían en nuestra propia Casa](https://passwordtech.edu20.org/teacher_discussion_assignment/show/17851842)

**Evaluation Criteria**

|  |  |
| --- | --- |
| **CRITERIA** | **Grade total** |
| 1 Mid-Term Exam | 100 |
| 1 Final Exam | 100 |
| Quizzes | 100 |
| Forums | 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.