

Syllabus

COURSE GENERAL INFORMATION

Course Title: CompTIA Security + Exam Review

Code: RCSE1030

Contact Hours: 45

Term: October 29, 2020 – November 17, 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

- 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.

Skills Distribution

- Protecting Against Advance Attacks
- Risk Management Tools
- Implementing Controls
- Cryptography
- Operational Security

Assessments:

- Assessment 1- Perform a Quantity and Quality Risk
- Assessment 2- Implementing Controls and Cryptography

Laboratories:

- Lab 1- Install Nmap Tool
- Lab 2- Run a Zenmap Scan
- Lab 3- View a Certificate
- Lab 4- Using File and Data Integrity Checks

Evaluation Criteria

CRITERIA	Grade total
Quizzes	100
Assessment	100
Laboratories	100
Mid-Term Exam	100
Final Exam	100
Total	500

*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 (2020). 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.