SYLLABUS

GENERAL INFORMATION
Course Title: Network + Exam Review
Code: RCNE 1020
Contact Hours: 45 hours
Academic Term: July 28, 2020 – August 12, 2020
Professor: Joel Vargas
Email: jvargas@passwordpr.com

COURSE DESCRIPTION

This course will include the knowledge and skills required to troubleshoot, configure, and manage common network wireless and wired devices, establish basic network design and connectivity, understand and maintain network documentation, identify network limitations and weaknesses, and implement network security, standards, and protocols. The student will have a basic understanding of emerging technologies including unified communications, mobile, cloud, and virtualization technologies. This course will prepare the student to take the exam certification for CompTIA Network + N10-007.

GENERAL OBJECTIVES

It is expected that at the end of the course, the student can:
- Establishment the basic design of the network and connectivity.
- Define Network Operations.
- Understanding and maintaining network documentation.
- Execute Network Troubleshooting.
- Identify the limitations and weaknesses of the network.
- Implementation of network security, standards and protocols.

SPECIFIC OBJECTIVES
- Computer Network Fundamentals
- The OSI Reference Model
- Network Components
- Ethernet Technology
- IPV4 and IPV6 Address

ASSESSMENTS:
- Assessment 1- Network Components
- Assessment 2- Network Review

LABORATORIES:
- Tracert Internet Connectivity
- Exploring Network Hardware and OSI Model
- Determine a Mac Address of a host

EVALUATION CRITERIA

CRITERIA	Grade total
Mid-Term Exam	100
Quizzes	100
Laboratories 1-3	100
Assessment 1-2	100
Final Exam	100
Total	500

EDUCATIONAL RESOURCES

- Sequeira, A. (2016*). CompTIA Network + N10-007 Cert Guide: Learn, Prepare and practice for exam Success.* Indianapolis, Indiana. Pearson.

- Neo LMS (2020). Ethical Hacking I. *passwordtech.edu20*.
  https://passwordtech.edu20.org/teacher_lessons/list/1892966

NOTES

- **Reasonable Accommodation:** Any student who requires reasonable accommodation must request them at the beginning of the course or as soon acquire the required knowledge that through the Professor in charge and be notifying the Academic Director.

- **Honesty, fraud, plagiarism:** Dishonesty, fraud, plagiarism and any other inappropriate behavior about the student's academic performance, constitute violations of the catalog of the institution, its Rules of Conduct and Duties of Student. Major infractions, as provided in the catalog may result in the suspension of the institution for a defined time or permanent expulsion as stipulated in the Rules of Conduct and Duties of Student.