HOSTOS COMMUNITY COLLEGE
DEPARTMENT OF MATHEMATICS
AND COMPUTER SCIENCE

CST 260: CYBERSECURITY PROJECT

Credit Hours: 1.0

Lab Hours: 2.0

Pre/Co-requisite: CST 240 Introduction to Cybersecurity

Description:

The Cybersecurity project focuses on fundamental concepts necessary to reinforce students' understanding of cybersecurity. Through the construction of projects, students will learn how networks work and how to secure them and identify the individual or organization who performs the malicious activities and their tools. Students will be also to detect, prevent, and respond to vulnerabilities and threats. Students will also learn the techniques for troubleshooting their projects.

Required Text:

M. Whitman and H. Mattord, Principles of Information Security, 7th Ed.,

ISBN-10: 035750643X
ISBN-13: 978-0357506431

Learning Objectives:

1. Students will collaborate and contribute to a team project and will reflect on personal leadership and teamwork skills.
2. Students will identify and apply concepts of cyber and network services and related systems and technologies.
3. Students will implement appropriate techniques to manage and maintain secure data storage.
4. Students will apply the principles of network and system administration.
5. Students will recognize system vulnerabilities and associated risks to ensure system security.

COURSE OUTLINE

Week	Topics
1	Project overview and selection
2	Project selection and discussion
3 ~ 8	Show work progress
9 ~ 10	Troubleshooting of non-working projects
11 ~ 12	Finalize the term paper
13,14 & 15	Project Presentations