

Community College of Allegheny County
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CREDIT COURSE SYLLABUS

COURSE NUMBER: HLS 103

COURSE TITLE: Introduction to Physical Security and Deterrents to Terrorism

CREDITS: 3

HOURS: Lecture: 3 Lab:
Clinical: Studio: Practicum:

PREREQUISITES: None

COREQUISITES: None

CATALOG COURSE DESCRIPTION:

This course will focus on the development and implementation of a Vulnerability Assessment program. Students will look at the Vulnerability Assessment's role in the Risk Assessment process and learn how it supports the development of the Hazard Mitigation Plan and the Site Physical Security Program. Students will also learn the CARVER system, which is a step-by-step approach to Vulnerability Assessment and identify the application of the program. The student will learn to apply a research methodology for gathering information, conducting investigations and conducting interviews and briefings with the client. The course explores the various idiosyncrasies that occur with the different types of facilities. Sessions take a critical look at the various aspects of physical and cybersecurity to be considered and learn how to apply credibility and nuisance tests. Personnel access, traffic control and other mitigation measures will be covered.

LEARNING OUTCOMES:

Upon successful completion of the course, the student will:

1. Utilize critical and analytical thinking skills in risk assessment.
2. Apply the CARVER approach to vulnerability assessments.
3. Conduct interviews of on-site experts and knowledgeable employees.
4. Explain the risk assessment principles in a real world environment.
5. Conduct principles of security analysis for facilities and programs in a cost respectful but comprehensive manner.
6. Conduct required status and out-briefs with the client management.
7. Describe the role of the Vulnerability Assessment in the Risk Assessment program.

LISTED TOPICS:

1. Defining risk analysis
2. Physical protection systems principles and concepts
3. Design and evaluation criteria
4. Planning and managing the assessment
5. Vulnerability assessment process inputs - establish protection objectives

6. The CARVER system
7. Access control systems
8. Practical exercise

REFERENCE, RESOURCE, OR LEARNING MATERIAL TO BE USED BY STUDENT:

Required Text(s): A contemporary text in the field.

Approved by the President on: Dr. Alex Johnson 05/19/10

Start Year/Term: Fall 2010