

ATLANTIC CAPE COMMUNITY COLLEGE

ISAS DEPARTMENT

COURSE SYLLABUS

COURSE TITLE: CISM222 ISSUES IN COMPUTER SECURITY

REQUIRED TEXTBOOK AND MATERIALS: Whitman. Principles of Information Security. Cengage / Course Technology. Fourth Edition. ISBN: 9781111138219

COURSE DESCRIPTION:

The course will outline the basic tasks necessary for safeguarding a computer system. Topics covered include personal computer security, organizational computer security, internet security and network security. We will explain how to prepare for attacks and what to do when attacks occur.

PRE-REQUISITE:

Introduction to Computers - CISM125

ADA STATEMENT:

As per the Americans with Disabilities Act (ADA), reasonable accommodations can be provided to students who present documentation of a disability to Atlantic Cape Community College's Center for Accessibility, located on the first floor of "J" Building in the Counseling and Support Services department (Mays Landing campus). Reasonable accommodations cannot be provided for a course until the student registers with the Center for Accessibility. For more information, please contact the Center for Accessibility. Email cfa@atlantic.edu or call 609-343-5680.

LEARNING GOALS:

The student will

- Understand and discuss issues in computer security
- Understand and discuss issues in organizational security
- Understand and discuss issues in Internet security
- Understand and discuss issues in network security

LEARNING OUTCOMES:

- Describe the basic concepts of computer security
- Explain techniques used to develop a secure network
- Compare and analyze fundamental tools used for protecting assets
- Construct several different security models
- Design documents for users to use reduce cyber threats

LEARNING OBJECTIVES:

Students will be able to:

- Define security and list the three basic goals of security
- List the categories of individuals who break into computers
- Describe and compare the types of attacks that can occur on computers
- Define physical security and explain how to apply it
- List the different types of data security
- Explain how an organization can resist security attacks
- Define risk assessment and the users' responsibilities
- List practices that Human Resources departments should follow
- List the risks associated with using the World Wide Web
- Describe preventive measures that can be used to minimize Web attacks
- List vulnerabilities associated with using e-mail
- Explain procedures and technologies that can be used to protect e-mail
- Describe how networks work
- List and describe the different types of network attacks
- Describe how to enhance a network security perimeter

ASSESSMENT STRATEGIES:

Student Learning Outcome	Assessment Strategies
Describe the basic concepts of computer security	Exam
Explain techniques used to develop a secure network	Exam
Compare and analyze fundamental tools used for protecting assets	Exam / Discussions
Construction several different security models	Project
Design documents for users to use reduce cyber threats	Project

COLLEGE GRADING SCALE (EXCEPT FOR PARALEGAL, NURSING, AND CULINARY PROGRAMS)

Grade	Percentage Range	Grade Point Value
A	93-100%	4.0
A-	90-92%	3.7
B+	87-89%	3.3
B	83-86%	3.0
B-	80-82%	2.7
C+	77-79%	2.3
C	70-76%	2.0
D	60-69%	1.0
F	0-59%	0.0