

Course Abstract

If you need accommodations due to a disability, contact Disability Services in Edison Hall Room 100, 732.906.2546.

To foster a productive learning environment, the College requires that all students adhere to the Code of Student Conduct which is published in the college catalog and website.

Course ID and Name: CSC116 – Introduction to Information Security Systems

Department: Business and Computer Science

Chairperson or Course Coordinator: Dr. Aslihan Cakmak

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Prerequisites: CSC105 or CSC106

Co-requisites: None

Course Description:

This course introduces the student to the field of information security. The managerial, legal, ethical and technical aspects of information security are covered. Students will learn about the need for information security, planning for security and risk management. The function of firewalls, virtual private networks, intrusion detection systems, cryptography and access control mechanisms will be discussed. Physical security and the role of personnel in properly executing security standards and controls are also covered.

General Education Status: N/A

Credits: 3 Lecture Hours: 3 Lab Hours: 0

Learning Outcomes:

Upon successful completion of this course, a student will be able to:

1. List the seven security domains.
2. List the key elements of physical security.
3. Demonstrate use of appropriate passwords and explain their value.
4. Demonstrate the use of effective file security.
5. Explain the value of encryption and list well know encryption strategies.
6. List key elements of personnel security.

Course Content Areas:

- Security domains
- Physical security
- Authentication
- File security
- Encryption
- Security architecture.