El Centro College  
ITSY 1400  
FUNDAMENTALS OF INFORMATION SECURITY  
Syllabus

COURSE DESCRIPTION

Prerequisites: None

An introduction to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning, polices and controls is also discussed.

This is a 4 credit hour course. (3 lec., 4 lab.)

WECM END-OF-COURSE OUTCOMES: Outline best practices for the information security goals of confidentiality, integrity and availability; explain ethical practices; define vocabulary/terminology related to information security; explain the importance of planning and administrative controls; identify security threats, vulnerabilities, and countermeasures; and identify procedures for security risk management.

STUDENT LEARNING OUTCOMES:

Upon successful completion of in ITSY 1400 Fundamentals of Information Security, the student will be able to:

- Describe legal and public relations implications of security and privacy issues
- Define an information security strategy and architecture
- Plan and respond to intruders in an information system
- Present a disaster recovery plan for recovery of information assets after an incident
- Identify and prioritize information assets

Students will be FULLY prepared to take the Microsoft Technology Associate- 98-367 Security Fundamentals certification exam at the end of the course. Instructions to purchase student vouchers will be sent by your instructor at the end of your course. This is one of the 1st certification exams in the Microsoft Technology Associate track.

COURSE MATERIALS

A student of this institution (El Centro College) is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

**Major Course Requirements**

Students will participate in Discussion Boards addressing topics in each chapter.

Students will complete the review questions in each chapter.

Students will complete hands-on projects.

Students will complete chapter quizzes.

Students will complete an assigned case study Exercise from each chapter.

Students will produce a Case Study Project paper on the following topics:

A pre-assessment and post-assessment will evaluate the student's understanding of the fundamentals of

**Subject Matter**

Topics covered in the lecture portion of the course include

- Understanding Security Layers
- Authentication, Authorization, and Accounting
- Understanding Security Policies
- Understanding network Security
- Protecting the Server and Client

**Disclaimer**

The provisions contained in this syllabus do not constitute a contract between the student and El Centro College. These provisions may be changed at the discretion of the Coordinator/Instructor. When necessary, appropriate notice of such changes will be given to the student.

The instructor-of-record may provide additional information to enhance the course to meet the needs of the enrolled students, provided that the enhancements do not conflict with the official course syllabus.

**Institutional Policies**

Institutional Policies relating to this course can be accessed from the following link

[www.elcentrocollege.edu/syllabipolicies](http://www.elcentrocollege.edu/syllabipolicies).