

El Paso Community College

Syllabus

Part II

Official Course Description

SUBJECT AREA	<u>Information Technology Systems</u>
COURSE RUBRIC AND NUMBER	<u>ITSY 2341</u>
COURSE TITLE	<u>Security Management Practices</u>
COURSE CREDIT HOURS	<u>3 3 : 1</u> Credits Lec Lab

I. Catalog Description

Provides in-depth coverage of security management practices, including asset evaluation and risk management; cyber law and ethics issues; policies and procedures; business recovery and business continuity planning; network security design; and developing and maintaining a security plan.

Prerequisite: ITSC 1301. (3:1).

II. Course Objectives

- A. Unit I. Philosophy of Disaster Recovery
 - 1. Identify the basic principles of disaster recovery
 - 2. Describe the eight major steps needed for the planning of effective disaster recovery
 - 3. Establish a leadership model and organize a disaster recovery planning team
 - 4. Identify regulatory agencies and standards that must be adhered to within the recovery model
 - 5. Identify the fiscal resources required to meet disaster recovery planning objectives
 - 6. Create a risk assessment report
 - a. Collect data and assess threats to an organization
 - b. Categorize threat levels
 - c. Quantify threats and vulnerabilities

- B. Unit II. Organizational Requirements and Duties
 - 1. Determine and prioritize critical business functions
 - 2. Develop responsibility charts for individual organizational units
 - 3. Determine organizational versus departmental disaster recovery procedures in various areas
 - a. Identify health and safety procedures
 - b. Identify the process for internal and external communication
 - c. Identify procedures to contain, maintain, and protect property
 - d. Identify procedures to begin cleanup and repairs
 - e. Identify procedures for resuming operations
 - 4. Identify procedures to publish the Disaster Recovery Plan
 - 5. Identify external agencies to aid the organization in recovery
 - 6. Develop procedures to work with those external agencies
 - 7. Establish communication lines to media and stakeholders

- C. Unit III. Special Needs Circumstances
 - 1. Analyze cyberterrorism
 - a. Identify ways that computer systems are attacked
 - b. Identify methods to prevent cyberattacks
 - c. Develop procedures to deal with computer system breaches
 - 2. Identify procedures for business specific items [e.g., hazardous materials, unique items (art, antiques, and documents), and animal life]

- D. Unit IV. Disaster Recovery Implementation
 - 1. Develop an implementation plan
 - a. Identify implementation responsibilities
 - b. Develop implementation schedules
 - 2. Develop departmental-specific training programs
 - 3. Establish the testing and rehearsal process
 - 4. Identify a system of assessment for needs, threats, and solutions
 - 5. Identify post-disaster complexities and residuals

III. THECB Learning Outcomes (WECM)

- 1. Develop a security plan.
- 2. Establish suitable level of protection.
- 3. Determine legal issues.
- 4. Implement network security design.
- 5. Revise risk analysis and security plan.

IV. Evaluation

A. Pre-assessment

None

B. Post-assessment

Evaluation for this course will consist of written exams, lab assignments, and homework assignments. The instructor will determine the number and mix of these instruments to arrive at a grade as described in the Instructor’s Course Requirements document.

C. Remediation

The instructor may provide the students with means of improving a grade. The instructor will determine the timing, form, and method of remediation.

D. Final Grade

The final grade report will be based upon the percentage of the total available points earned by the student.

Percentage	Letter Grade
90-100%	A
80-89.9%	B
70-79.9%	C
60-69.9%	D
0-59.9%	F

V. Disability Statement (Americans with Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024).

VI. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to

see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.