

# El Paso Community College

## Syllabus

### Part II

## Official Course Description

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

### 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.