El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT AREA	**Information Technology Systems**
COURSE RUBRIC AND NUMBER	**ITSY 2301**
COURSE TITLE	**Firewalls and Network Security**
COURSE CREDIT HOURS	**3 3 : 1**
	Credits Lec Lab

I.   Catalog Description

Identify elements of firewall design, types of security threats and responses to security attacks. Uses best practices to design, implement, and monitor a network security plan. Examine security incident postmortem reporting and ongoing network security activities. **(3:1). Lab fee.**

II.   Course Objectives

Upon satisfactory completion of this course, the student will be able to:

- Demonstrate system security skills through firewall implementation.
- Demonstrate evaluation skills through firewall system security testing.
- Demonstrate the use of system tools, practices, and relevant technologies to implement a security plan.
- Evaluate practices, tools, and technologies to identify security breaches.
- Demonstrate the ability to identify sources of attacks.
- Demonstrate the ability to protect mission critical system.
- Demonstrate the ability to establish an appropriate level of security based on an analysis of security logs.
- Demonstrate the ability to use relevant tools to secure a network.
- Demonstrate the ability to respond to and follow up on various types of attacks.

III.   THECB Learning Outcomes

- Demonstrate system security skills through firewall implementation and testing.
- Use system tools, practices, and relevant technologies to implement a security plan.
- Evaluate practices, tools, and technologies to identify security breaches, sources of attacks, and protect mission critical systems.
- Establish an appropriate level of security based on an analysis of security logs.
- Use relevant tools to secure a network, respond to and follow up on various types of attacks.

IV.   Evaluation

- Four exams worth 100 points each
- There are assigned Labs worth 50 points each
- One comprehensive final worth 200 points

The percentage of total points earned will determine your final Grade.

PERCENTAGE	LETTER GRADE
90 - 100	A
80 - 89	B
70 - 79	C
60 - 69	D
0 - 59	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.

VII.   Title IX and Sex Discrimination

Title 9 (20 U.S.C. 1681 & 34 C.F.R. Part 106) states the following "No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity receiving Federal financial assistance." The Violence Against Women Act (VAWA) prohibits stalking, date violence, sexual violence, and domestic violence for all students, employees and visitors (male and female). If you have any concerns related to discrimination, harassment, or assault (of any type) you can contact the Assistant to the Vice President for Student and Enrollment Services at 915-831-2655. Employees can call the Manager of Employee Relations at 915-831-6458. Reports of sexual assault/violence may also be reported to EPCC Police at 915-831-2200.