El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT AREA   <u>**Information Technology Systems**</u>

COURSE RUBRIC AND NUMBER   <u>**ITNW 2371**</u>

COURSE TITLE   <u>**Health Information Networking**</u>

COURSE CREDIT HOURS   <u>**3**   **3**   :   **1**</u>
                                                                  Credits   Lec   Lab

I.   Catalog Description

Introduces the student to the basics of information in healthcare settings. Explores the fundamentals of Electronic Health Records systems and implementation, medical practice workflows, design healthcare networks, security and the use of information technology in healthcare. **Prerequisites: ITCC 1301 and ITCC 1304. (3:1).**

II.   Course Objectives

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

A. Describe healthcare in the United States
B. Explain the protocols, safety procedures, and privacy considerations when working in a healthcare environment
C. Discuss the role of information technology in healthcare
D. Explain how the use of IT healthcare applications affects network design
E. Describe the purpose, function, and key components of an EHR system
F. Identify the benefits and requirements for supporting nationwide HIT operability and the National Health Information Network
G. Identify the requirements for implementing an EHR system
H. Describe the workflow of a medical practice and how that workflow must be adjusted for implementation of electronic medical records.
I. Describe the benefits of a hierarchical design and the basic functions of the core, distribution, and access layers
J. Implement security requirements for medical data at the access layer
K. Describe security and design considerations when implementing or connecting to a data center
L. Implement wireless and security design considerations into the medical group network
M. Prototype a network design prior to implementation
N. Integrate remote access and WAN services
O. Implement WAN services and secure the network edge for an EHR system
P. Describe the levels of support and processes for troubleshooting a medical group network

III. THECB Learning Outcomes (WECM)

Learning outcomes/objectives are determined by local occupational need and business and industry trends.

IV. Evaluation

- 7 exams will contribute 15% to the final grade.

- Lab assignments will contribute 20 % to the final grade.

- Skills Based Final will contribute 35% to the final grade

- A comprehensive Final Exam will contribute 30% to the final grade.

The final grade is based on a percentage of total points earned:

Percentage	Letter Grade
90 – 100	A
80 – 89.99	B
70 – 79.99	C
60 – 69.99	D
0 – 59.99	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.

Revised by Discipline: Fall 2015 (next revision in 3 years)