

Virginia Western Community College

HIM 130

Healthcare Information Systems

Prerequisites

none

Course Description

Teaches basic concepts of microcomputer software (to include operating systems, word processing, spreadsheets, and database applications). Focuses on microcomputer applications and information systems in the Healthcare environment. Provides a working introduction to electronic health information systems for allied health, teaching students how the adoption of electronic health records affects them as future healthcare professionals.

Semester Credits: 3 Lecture Hours: 3 Lab/Clinical/Internship Hours: 0

Required Materials

Textbook:

TITLE: Information Technology for the Health Professions

AUTHOR: William Burke and Barbara Weill

EDITION: 4th

COPYRIGHT YEAR: 2013

PUBLISHER: Pearson

ISBN: 97801328977648

Other Required Materials:

Students will use their textbook and will need to have computer access for assignments due during the weeks. This class is will be held exclusively through Blackboard.

Course Outcomes

At the completion of this course, the student should be able to understand and apply their knowledge of the following topics in the realm of Health Information Management and Technology:

- Introduction to Information Technology-Chapter 1
- Medical Informatics-Chapter 2
- Administrative Applications in computers-Chapter 3
- Telemedicine-Chapter 4
- Information Technology in Public Health-Chapter 5
- Information Technology in Radiology-Chapter 6
- Information Technology in Surgery-Chapter 7

- Information Technology in Pharmacy-Chapter 8
- Information Technology in Dentistry-Chapter 9
- Computer Assisted Instruction-Chapter 10
- Information Technology in Rehabilitative Therapies-Chapter 11
- Security and Privacy-Chapter 12

Students will complete a course project where they will need to choose a topic from a list of approved topics. They will need to type a 2-3 page research paper in APA format and create a brief power point presentation which will be presented by posting to blackboard.

Topical Description

Date	Topics Covered	Assignments Due
	Introduction and Review Syllabus Chapter 1	
	Chapter 2	Online Test on chapters 1 due at midnight.
	Chapter 3	Online Test on chapters 2 due at midnight. Choose project topic
	Chapter 4	Online Test on chapters 3 due at midnight.
	Chapter 5	Online Test on chapters 4 due at midnight.
	Chapter 6	Online Test on chapters 5 due at midnight.
	Chapter 7	Online Test on chapters 6 due at midnight.
		Mid-Term
	Chapter 7	Online Test on chapters 7 due at midnight.

	Chapter 8	Online Test on chapters 8 due at midnight.
	Chapter 9	Online Test on chapters 9 due at midnight.
	Chapter 10	Online Test on chapters 10 due at midnight.
	Chapter 11	Online Test on chapters 11 due at midnight.
	Chapter 12	Presentation & Paper due
		Online Test on chapters 12 due at midnight. Review for final exam
		Final Exam Due _____

Notes to Instructors

- Accessed online power point lectures and tools using:<http://www.pearsonhighered.com/educator/product/Information-Technology-for-the-Health-Professions/9780131599338.page#downlaoddiv>