

MIS450 E-Healthcare Information Systems

Instructor:

Name: Athary A. Alwasel
Office: 138, 2nd floor, Building 3
Office hours: 1 3 5 (9:00-10:00 am, 12:00-1:00 pm)
E-mail: mis.ksu@gmail.com
Website: <http://fac.ksu.edu.sa/aalwasel>

Course Description:

Healthcare industry is evolving and experiencing a dramatic transformation, along with implementation of new applications of developed Information Systems (IS) and the adoption of new Information Technology (IT). This course intends to give an overview of electronic healthcare information systems for students who have strong background in Management Information Systems (MIS).

The course is mainly divided into three parts: Health Care Information, Health Care information Systems, and Information Technology in Healthcare. At the beginning, basic clinical and administrative information found in a health care organization will be discussed, along with their underlying processes. Furthermore, we will cover clinical information systems and the major clinical and administrative applications found in healthcare settings.

Course Objectives:

#

- To understand and evaluate aspects of healthcare information systems.
- To discuss emerging trends in information systems and information technology within healthcare practice.
- To understand and explain the key legislation and regulatory requirements for managing electronic health records.
- To assess risks and challenges of implementing E-healthcare applications.
- To Illustrate and explain the challenges and opportunities associated with management decision-making and reporting using the information stored in healthcare IS.
- To identify the key management challenges for healthcare IS.

Required Textbook:

Health Care Information Systems: A Practical Approach for Health Care Management, Third Edition, Karen S. Wager, Frances W. Lee and John P. Glaser, Jossey-Bass, August 2013. (ISBN-10:1118173538)

The textbook is available at KSU book store.

Grading:

Course Elements	Points
Three Individual Assignments	5
Group Project	15
Exam 1	20
Exam 2	20
Final Exam	40
Total	100

Exams:

The midterm exams will be based primarily on materials drawn from textbook readings, PP slides, and class discussion. It will consist of three parts that includes multiple choices, true or false, and short answers. There will NOT be any make up exam nor a markup.

Individual Assignments:

There will be three individual assignments throughout the semester. They will be posted on blackboard. The submission date is shown in the course tentative schedule. Assignments will NOT be accepted after the due date for any reason.

Group Project:

Students will be asked to work on teams to conduct an evaluation report about a selected healthcare information system for a hospital, clinical department or any other healthcare settings. (Full description of the project will be posted on blackboard).

Tentative Course Outline

Week	Topic	Assignments
1	Introduction, Chapter 1	
2	Chapter 2	Group Project-Part 1 due
3	Chapter 3	Assignment # 1 due
4	Exam 1	
5	Chapter 4	Group Project-Part 2 due
6	Chapter 5	
7	Chapter 6	Assignment # 2 due
8	Break	
9	Chapter 7	Group Project-Part 3 due
10	Exam 2	
11	Chapter 8	Group Project-Part 4 due
12	Chapter 9	
13	Chapter 10	Assignment # 3 due
14	Project Presentation	Final project report due
15	Review	