



Jordan University of Science and Technology
Faculty of Computer & Information Technology
Computer Information Systems Department

CIS436 Privacy Of Healthcare Information

Second Semester 2020-2021

Course Catalog

3 Credit Hours. This course covers several concepts such as, an introduction to privacy and security of healthcare information systems, how to protect the confidentiality of patient information, types of access and the appropriate availability of healthcare information to health care providers, concepts of limiting unauthorized access, standards and specifications that help keeping patient medical information secure in an electronic environment, common data protection issues, and exchanging clinical information between healthcare organizations need to be addressed. Related case studies will be used and administrative issues will be researched and presented by students as the course activity.

Text Book

Title	Healthcare Information Security and Privacy
Author(s)	Sean P. Murphy
Edition	1st Edition
Short Name	Textbook
Other Information	Published by McGraw Hill

Instructor

Name	Mr. Jawad Damir
Office Location	N1L0
Office Hours	Sun : 12:00 - 13:30 Mon : 11:30 - 13:00 Tue : 11:00 - 12:30 Wed : 11:30 - 13:00
Email	jmdamir@just.edu.jo

Class Schedule & Room

Section 1:

Lecture Time: Mon, Wed : 14:30 - 16:00

Room: منصة الكترونية

Prerequisites

Line Number	Course Name	Prerequisite Type
1743380	Cis338 Health Information Systems	Prerequisite / Study

Tentative List of Topics Covered

Weeks	Topic	References
Weeks 1, 2	Healthcare People, Roles, and Third-Party Partners	From Textbook
Weeks 3, 4, 5	Healthcare Information Regulation	From Textbook
Weeks 6, 7, 8	Information Risk Decision Making	From Textbook
Weeks 9, 10, 11	Information Security and Privacy Events Management	From Textbook
Weeks 12, 13, 14	Protecting Digital Health Information: Cyber Security Fundamentals	From Textbook

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Understand the principles of healthcare data privacy and security, and identify the applicable regulations that govern healthcare information privacy and security. [1SO4]	20%	
Understand leading information risk management frameworks for their use in healthcare, and comprehend the concept of risk tolerance and methods of handling residual risk. [1SO4]	35%	
Recognize the Data Incident Management process, and understand the difference between incidents, events, and data breaches. Moreover, determine responsibilities of incident response team members, and examine external notification requirements of data breaches. [1SO4]	15%	
Understand fundamental cyber-security terms, such as confidentiality, integrity, and availability, and recognize some applications of data encryption, hashing, and digital signing. [1SO1, 1SO2]	30%	

Relationship to Program Student Outcomes (Out of 100%)

A	B	C	D	E	F	G	H	I	J	K	SO1	SO2	SO3	SO4	SO5	SO6
											15	15		70		

Evaluation

Assessment Tool	Weight
Mid Exam	40%
Case Study	10%
Final Exam	50%

Policy	
Attendance	Attendance is very important for the course. In accordance with university policy, students missing more than 20% of total classes are subject to failure. Penalties may be assessed without regard to the student's performance. Attendance will be recorded at the beginning or end of each class

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