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

HI102 Introduction To Health Information Systems And Management
Second Semester 2023-2024

Course Catalog
3 Credit Hours. This course exposes students to health information technologies. It covers the fundamentals of healthcare industry and delivery. It also exposes students to different types of information systems implemented by healthcare facilities. Students learn the driving forces of adopting health information technologies; such as medical errors, cost, and access to healthcare. The course will allow students to develop an understanding of the role of information technologies in improving the efficiency and effectiveness of healthcare delivery.
Teaching Method: On Campus

Text Book	
Title	Health Information Technology and Management
Author(s)	Richard Gartee
Edition	1st Edition
Short Name	Ref#1
Other Information	

Instructor	
Name	**Miss Rawan Khasawneh**
Office Location	A2 L-3
Office Hours	Sun : 08:30 - 09:30 Mon : 08:30 - 09:30 Mon : 11:30 - 13:00 Tue : 08:30 - 09:30 Wed : 08:30 - 09:30 Thu : 08:30 - 09:30
Email	rtkhasawneh@just.edu.jo

Class Schedule & Room

Section 1:
 Lecture Time: Sun, Tue, Thu : 10:30 - 11:30
 Room: M1301

	Tentative List of Topics Covered	
Weeks	**Topic**	**References**
Weeks 1, 2	Course Introduction and Health Delivery Fundamentals	**Chapter 1** From **Ref#1**
Weeks 3, 4	Health Records	**Chapter 5** From **Ref#1**
Weeks 5, 6	Electronic Health Records	**Chapter 7** From **Ref#1**
Weeks 7, 8	Additional Health Information Systems	**Chapter 8** From **Ref#1**
Weeks 9, 10	Management and Decision Support Systems	**Chapter 12** From **Ref#1**
Week 11	Personal Health Records	**Chapter 13** From **Ref#1**
Week 12	Electronic Prescribing	
Weeks 13, 14	Tele-health	**Chapter 14** From **Ref#1**

Mapping of Course Outcomes to Program Outcomes	**Course Outcome Weight (Out of 100%)**	**Assessment method**
Define the basic terms associated with healthcare delivery; such as inpatient, outpatient, medical record, health record, e-health record, personal health record, and Tele-health.	15%	
Be able to identify the challenges in healthcare delivery; such as inefficient processes, medical errors, and quality of care	10%	
Be able to identify the different types of health information systems; such as Laboratory Information System, Radiology Information System, Pharmacy Information System, and Operative Software.	15%	
Be able to identify the challenges associated with implementing a health information system	5%	
Recognize the benefits of implementing a computerized health record in a hospital and be able to explain how information systems can help hospitals reduce the number of medical errors and improve the quality of care	20%	
Be able to explain the difference between health records and personal health records	10%	
Be able to identify the risks associated with the traditional prescribing process, and recognize how the e-prescribing technology has mitigated those risks	15%	
Be able to identify the driving forces of Tele-health as well as the benefits associated with implementing this technology	10%	

	Evaluation

Assessment Tool	Weight
First Exam	25%
Second Exam	25%
Quiz	10%
Final Exam	40%

Policy	
General Policy	Excellent attendance is expected. In accordance with university regulations, students missing more than 20% of total classes that are not excuse are subject to failure. If you miss class, it is your responsibility to find out about any announcements or assignments you may have missed. Attendance will be recorded at the beginning or end of each class All exams will be CLOSE-BOOK. The format for the exams is generally (but NOT always) as follows: multiple-choice, and short essay questions. Makeup exam should not be given unless there is a valid excuse. Arrangements to take an exam at a time different than the one scheduled MUST be made prior to the scheduled exam time. In accordance with university regulations, students should bring a valid excuse authenticated through valid channels in JUST. There will be several quizzes during the course. The quizzes and exams need to be done individually. Copying of another student's work or code, even if changes are subsequently made, is inappropriate, and such work or code will not be accepted. Cheating or copying from neighbor on exam is an illegal and unethical activity and standard JUST policy will be applied. All graded assignments must be your own work (your own words)

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