



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

CIS724 Structure And Applications Of Health Information Systems

Second Semester 2022-2023

Course Catalog

3 Credit Hours. This course covers the structure, architecture, design and methods of Health Information Systems implementation and their applications towards improving the quality of care. Health Informatics (HI) focuses on the application of information technology (IT) to the field of medicine to improve individual and population healthcare delivery, education and research. This extensively course reflects the current knowledge in Health Informatics and provides learning objectives, key points, case studies and references. Topics include: Healthcare Data, Information, and Knowledge; Electronic Health Records, Practice Management Systems; Architectures of Information Systems; Consumer HI; Mobile Technology; Online Medical Resources; Search Engines; Evidence-Based Medicine and Clinical Practice Guidelines; Disease Management and Registries; Quality Improvement Strategies; Patient Safety; Picture Archiving and Communication Systems; Bioinformatics; Public HI; E-Research.

Text Book

Title	Health Informatics: Practical Guide
Author(s)	William Hersh; Kate Hollis
Edition	8th Edition
Short Name	Textbook
Other Information	2022

Instructor

Name	Dr. Amal Zoubi
Office Location	A2L-3
Office Hours	
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Class Schedule & Room

Section 1:

Lecture Time: Wed : 13:00 - 16:00

Room: A3131

Tentative List of Topics Covered

Weeks	Topic	References
	Topics include: Healthcare Data, Information, and Knowledge; Electronic Health Records, Practice Management Systems; Architectures of Information Systems; Consumer HI; Mobile Technology; Online Medical Resources; Search Engines; Evidence-Based Medicine and Clinical Practice Guidelines; Disease Management and Registries; Quality Improvement Strategies; Patient Safety; Picture Archiving and Communication Systems; Bioinformatics; Public HI; E-Research.	

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

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