

Course Specification Student Version

Course Title:	Nursing Informatics
Course Code:	NURS 413
Department:	Nursing Sciences
Program:	Bachelor of General Nursing (BGN)
College:	Vision College in Riyadh
Institution:	Vision College in Riyadh
Revised:	July 2025

A. Course Identification

1. Credit hours: 3 hours (3+0+0)
2. Level/year at which this course is offered: Level 7/Year 4
3. Pre-requisites for this course (if any): None
4. Co-requisites for this course (if any): None

B. Teaching Methods

1	Interactive Lectures
2	Assignment
3	Seminar Presentation

C. Course Description and Objectives

<p>1. Course Description</p> <p>The course is designed to integrate nursing science with computer information technology. It focuses on identifying, gathering, processing, and managing information. Emphasis also placed on technology-based health applications, which support clinical, administrative, research, and educational decision making enhancing the efficacy of nursing practice 5. Pre-requirements</p>
<p>2. Main course Objective</p>
<p>3. Course Objectives</p> <ul style="list-style-type: none"> Identify key trends and issues in nursing informatics and the impact on health care information system <ul style="list-style-type: none"> Explain how theories, such as communication, information, management, systems, and nursing are related to health care information systems. Examine ethical/ legal issues that arise in using, designing, and managing health care information systems. Analyze current health care information system used in nursing practice, administration, research, and education.

D. Course Content

No	List of Topics
1	Informatics in the health care professions
2	Hardware,software, and the role of support personnel
3	Ensuring the quality of information
4	Using technology to deliver healthcare
5	Selecting a health care information system
6	The electronic patient records.
7	Information security and confidentiality ,and data handling
8	Using computer to support health care and patient education
9	Using computer in research
10	Telehealth

E. Assessment Tools

#	Assessment task	Percentage of Total Assessment Score
1	Quizzes	20%
2	Assignment Evaluation and Seminar Evaluation	20%
3	Midterm Exam	20%
4	Final Written Exam	40%
	Total	100%

F. Learning Resources

Essential References	1. http://www.ojni.org/ https://www.ania.org/publications/journal
Supportive References	<p>1. Nursing Informatics: Scope and Standards of Practice Paperback, American Nurses Association; 2 Edition (2015)</p> <p>2. Applied Clinical Informatics For Nurses 1 Pap/Psc Edition</p> <p>3. Susan Alexander , Karen Frith , Haley Hoy , Jones & Bartlett Learning; (2 Edition, 2019) Mcgonigle D. Nursing informatics: Application of knowledge. Jones & Bartlett Publishers (4 Edition, 2018)</p> <p>4. Habda TL, Czar P. Handbook of informatics for nurses and health care professionals. (6 Edition). Pearson 2018. ISBN-10 0134711017</p> <p>5. Hannah KJ, Ball MJ, Edwards MJ. Introduction to nursing informatics (4 Edition). Publisher Springer. 2015.</p> <p>6. Hoyt RMD, Sutton M, Yoshihashi A . Medical Informatics: Practical Guide for the Healthcare Professional. Lulu.com. 6 Edition (2014)</p>
Electronic Materials	http://www.nursingworld.org/OJIN
Other Learning Materials	None