

NUR 410 : INFORMATICS IN HEALTHCARE

Transcript title

Informatics in Healthcare

Credits

6

Grading mode

Standard letter grades

Total contact hours

60

Lecture hours

60

Course Description

Introduces healthcare informatics from an interdisciplinary perspective. Foundational concepts of healthcare informatics are explored, including theoretical underpinnings of healthcare informatics; use of information systems in a variety of healthcare settings; the e-patient and participatory informatics; quality, usability, and standards related to healthcare informatics, legal and ethical implications for practice; and emerging technologies.

Course learning outcomes

1. Discuss the fundamental concepts, principles, and theories of nursing informatics.
2. Evaluate the benefits and challenges of various health information technologies (IT) in improving patient care and outcomes.
3. Discuss how informatics drives patient data and health information.
4. Critically assess the usability, efficiency, and effectiveness of health IT applications.
5. Analyze ethical dilemmas and legal issues related to nursing informatics, including patient privacy, data ownership, and informed consent.

Content outline

1. Discuss the fundamental concepts and theories of nursing informatics.
2. Evaluate its benefits and challenges of informatics in enhancing patient care and outcomes
3. Critically assess a health IT application used in the healthcare setting for usability, efficiency, and effectiveness
4. Analyze a specific ethical dilemma related to nursing informatics
5. Discuss the role of the Epatient
6. Discuss the challenges associated with implementing health information technologies in clinical practice
7. Explore the legal implications of patient data ownership and privacy
8. Discuss potential emerging technologies in healthcare

Required materials

Textbook required.