NURS 330 Informatics: Concepts, Applications & Issues

Credit Hours: 3 HRS

Scheduled hours per week:
     Lecture: 3 HRS
     Lab:
     Other:

Catalog Course Description: Introduces the student to the language and technology of nursing. Emphasis is on integrating nursing practice systems and informatics technology. Focus is on identifying clinical data sets, methods of multilevel data retrieval, and the decision making processes guiding action in the face of uncertainty. Ethical management of data, information, and knowledge are discussed.

Prerequisites: NURS 311

Co-requisites: None

Course Learning Outcomes:
<u>Human Flourishing</u>: **Incorporate the knowledge and skills learned to help patients, families, and communities.**

1. Articulate the relevance of nursing informatics to the nursing profession. (Excellence)

<u>Nursing Judgment:</u> **Make judgments in practice, substantiated with evidence, which synthesizes nursing science and knowledge, from other disciplines in the provision of safe, quality care and the promotion of the health of patients and the community.**

2. Utilize a variety of electronically assessable, credible resources applicable for nursing practice, including evidence-based practice which supports a safe environment for patients and health care workers. (Diversity)
3. Analyze information technologies that expand information among nurses, health care team members, and health consumers in order to promote holistic patient care. (Holism)

<u>Professional Identity</u>: **Expresses one's identity as a nurse through actions that reflect integrity, a commitment to evidence-based practice, caring, advocacy, and safe quality care for diverse patients and their communities, and willingness to provide leadership in improving care.**

4. Describe how healthcare information systems and electronic health records can be utilized to enhance client care. (Caring, Patient-Centeredness)

<u>Spirit of Inquiry:</u> **Act as a scholar who contributes to the development of the science of nursing practice by identifying questions in need of study, analyzing published research, and using available evidence as a foundation to propose creative, innovative, or evidence-based solutions to clinical practice problems.**

5. Analyze issues for regulation, accreditation, and security of automated applications in health care. (Ethics, Integrity)

Topics to be studied:
  Unit I   Background and foundational information
  Unit II   Information systems in healthcare delivery
  Unit III   Participatory healthcare informatics
  Unit IV   Healthcare on the internet
  Unit V   Quality, usability, and standards in informatics
  Unit VI   Governance and organizational structures for informatics
  Unit VII   Education and informatics
  Unit VIII International informatics and informatics – Present and future

Relationship of course to program outcome:
The goals of nursing education for the RN-to-BSN program can be summarized in four broad program outcomes. Nurses must use their skills and knowledge to enhance **human flourishing** for their patients, their communities, and themselves. They should show sound **nursing judgment**, and should continually develop their **professional identity**. Finally, nurses must approach all issues and problems in a **spirit of inquiry**. All essential program-specific core nursing practice competencies and course outcomes are assumed within these four general aims (NLN, p. 9).

Program Learning Outcomes:	Course SLO
Human Flourishing: Incorporate the knowledge and skills learned to help patients, families, and communities continually progress toward fulfillment of human capacities.	SLO 1
Nursing Judgment: Make judgments in practice, substantiated with evidence, which synthesizes nursing science and knowledge from other disciplines in the provision of safe, quality care and the promotion of the health of clients and the community.	SLO 2 and 3
Professional Identity: Express one's identity as a nurse through actions that reflect integrity, a commitment to evidence-based practice, caring, advocacy, and safe quality care for diverse clients and their communities, and willingness to provide leadership in improving care.	SLO 4
Spirit of Inquiry: Act as a scholar who contributes to the development of the science of nursing practice by identifying questions in need of study, analyzing published research, and using available evidence as a foundation to propose creative, innovative, or evidence-based solutions to clinical practice problems.	SLO 5

Course SLOs Assessment Methods:
  • Discussion board postings
  • Various written assignments
  • Group assignments/projects
  • Quizzes and comprehensive final exam

Student successful performance on written and discussion boards assessed with published grading rubrics with a grade of 78% or better will assess achievement of course outcomes.

Special requirements of the course:
  • Academic Coaching Session

- Criminal background checks
- Required immunizations
- Current Healthcare Provider CPR Certification

Additional information:
This is an asynchronous course conducted entirely online. Students will be required to access the Learning Studio from their respective off-campus locations. Students are expected to participate in all course activities as assigned by the instructor.

NURS 330 Informatics: Concepts, Application & Issues is a nursing course. Failure to pass a second nursing course will result in dismissal from the RN-to-BSN Program at West Virginia University at Parkersburg. (See Student Handbook)

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