

**NURS 330 Informatics: Concepts, Applications & Issues 2017**

**Credit Hours:** 3 HRS

**Scheduled hours per week:**

Lecture: 3 HRS

Lab:

Other: Field experience requiring student to complete an interview with an informatics nurse.

Estimated time to complete: 1 hour.

**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, NURS 320

**Co-requisites:** None

**Course Learning Outcomes:**

**Human Flourishing: Incorporate the knowledge and skills learned to help patients, families, and communities.**

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

**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.**

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)

**Professional Identity: 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 clients 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)

**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.**

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

**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).

<b>Relationship of Course to General Education Learning Outcomes:</b>	
<b>Composition and Rhetoric</b> Students illustrate a fundamental understanding of the best practices of communicating in English and meet the writing standards of their college or program-based communication requirements.	X
<b>Science &amp; Technology</b> Students successfully apply systematic methods of analysis to the natural and physical world, understand scientific knowledge as empirical, and refer to data as a basis for conclusions.	X
<b>Mathematics &amp; Quantitative Skills</b> Students effectively use quantitative techniques and the practical application of numerical, symbolic, or spatial concepts.	X
<b>Society, Diversity, &amp; Connections</b> Students demonstrate understanding of and a logical ability to successfully analyze human behavior, societal and political organization, or communication.	X
<b>Human Inquiry &amp; the Past</b> Students interpret historical events or philosophical perspectives by identifying patterns, applying analytical reasoning, employing methods of critical inquiry, or expanding problem-solving skills.	X
<b>The Arts &amp; Creativity</b> Students successfully articulate and apply methods and principles of critical and creative inquiry to the production or analysis of works of art.	
<b>5/3/2016</b>	

**Special projects or requirements of the course:**

- Weekly Discussion Board postings
- Various written assignments
- Informatics professional interview
- Group assignments/projects
- Quizzes and final exams
- Criminal background checks

- Current Healthcare Provider CPR Certification
- Immunizations as required

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.

**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)

**Prepared by:** Rose Beebe, EdD, MS, RN

**Date:** October 9, 2017