Minnesota State University Moorhead

NURS 446: Nursing Informatics

A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 2

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course expands on foundational knowledge of nursing informatics with emphasis on how technology can be used as a tool to improve client care in a variety of settings. The role of the baccalaureate prepared nurse in evaluating information systems in a variety of practice settings is examined. The issues of ethics, ergonomics, and nursing workflow as they relate to nursing informatics are explored.

B. COURSE EFFECTIVE DATES: 01/08/2020 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Nursing Informatics Foundational Concepts
   i. Nurse as knowledge worker and leader
   ii. Informatics competencies
   iii. Theoretical applications

2. Nursing Informatics Applications
   i. Security of information
   ii. Electronic health record
   iii. Clinical information system
   iv. Administrative and clinical health information system

3. Consumer Informatics Applications
   i. Health literacy
   ii. Information literacy
   iii. Health education delivery modalities

4. Professional Informatics Applications
   i. Research translation
   ii. Process and proficiency improvement
   iii. Recognize technology limitations and advocate for design improvement
   iv. Ongoing evaluation of current challenges related to ethical, legal, regulatory, and confidentiality issues.

D. LEARNING OUTCOMES (General)

1. Define the nursing informatics role of a baccalaureate prepared nurse.
2. Apply concepts of safety in the healthcare setting to the use of technology.
3. Recognize that redesign of workflow and care processes should precede implementation of care technology to facilitate nursing practice.
4. Participate in evaluation of information systems in practice settings.
5. Examine legal, ethical, and regulatory concepts pertaining to the use of technology.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted