PURDUE UNIVERSITY NORTHWEST

Course Sample Syllabus

NUR 45100 Nursing Informatics

Course Description

This course provides a basic understanding of nursing science, computer science, and information science to prepare students to effectively and efficiently use technology to identify, collect, process, and manage health care information. A focus on technology based health applications which support clinical, administrative, research, and educational decision-making to enhance the efficacy of nursing is provided.

Student Learning Outcomes:

1. Analyze the evolving roles and competencies of nursing-informatics practice
2. Describe how nursing science, computer science and information science provide the foundation for nursing informatics
3. Detail procedures to secure electronic health information
4. Demonstrate how computer systems are resource tools for managing information and generating knowledge for both clinical and administrative environments
5. Demonstrate an understanding of nursing informatics applications such as education, research, telehealth, clinical information management, project management and consumer information

Teaching/Learning Methodologies:

- Online Lessons
- Guided Learning
- Individual Assignments
- Group Work
- Writing Assignments

Texts and Materials:

The list of required and recommended textbooks can be found online in the RNBSN Student Handbook. Additional readings and resources will be assigned throughout the modules. Some of these resources will be available through the Purdue University Northwest library's electronic database. Others will be internet resources available through links in the course.

Sample of Course Assignments:

Discussions: Discussions among and between classmates are a major component of this course. At several points in this course, you will be asked to respond to or reflect upon questions posed by course instructors. Your response should consist of complete sentences and should meet the requirements listed in the discussion assignment instructions. Additionally, you are required to post thoughtful and scholarly responses to other student postings each week. At least one relevant reference from a reliable published source is required for your **initial** discussion posting each week. Use APA format guidelines for all references and do not simply use a general reference for the course textbook(s).

M2: Assignment #1: Competency Self-Evaluation: See course syllabi

M4: Assignment #2: Technology Project Proposal: See course syllabi

Course Organization:

There are five modules in this course. Each module represents one week of activity.

- Explain why information and technology skills are essential for safe patient care
- Identify essential information that must be available in a common database to support patient care
- Contrast the benefits and limitations of different communication technologies and their impact on safety and quality
- Describe examples of how technology and information management are related to the quality and safety of patient care
- Recognize the time, effort and skills required for computers, databases and other technologies to become reliable and effective tools for patient care