Overview

Informatics for Transforming Nursing Care integrates nursing science with multiple information and analytical sciences to identify, define, manage, and communicate data, information, knowledge, and wisdom in nursing practice. Students will acquire knowledge and skills to apply informatics concepts, communications, and data that are critical to facilitating interprofessional data-driven decision-making. It is designed to build competence in the use of patient- and population-based applications that inform and support the transformation of nursing care delivery toward a future of value-based quality nursing care that improves health outcomes. This course aligns theoretical concepts with practical applications of informatics and is consistent with the functional areas and responsibilities of informatics nurses as defined by American Nurses Association Scope and Standards for nursing informatics.

Competencies

- **Theoretical Underpinnings of Nursing Informatics**
  The graduate analyzes the theoretical and conceptual underpinnings of the nursing informatics scope and standards to improve patient experience and health outcomes.

- **Informatics for Patient Care**
  The graduate determines how technology and informatics can be optimized to improve the patient experience and lower healthcare costs.

- **Informatics for Health Administration**
  The graduate analyzes core administrative systems to support the management of safe, cost-effective, and high-quality healthcare.

- **Informatics for Population Health**
  The graduate analyzes data from population-based systems to mitigate public health threats and decrease incidence of disease.

- **Data Collection and Management**
  The graduate designs data collection tools and processes to capture, analyze, and report health indicators and outcomes.

- **Data Analysis and Visualization**
  The graduate refines data to visually represent, forecast, monitor, and report progress in meeting healthcare outcomes.

Learning
Getting Started

Welcome to Informatics for Transforming Nursing Care. Begin the course by reviewing the Start Here section, which includes clinical practice experience (CPE) information, and pertinent information about the course. Next, review the pacing guide and develop a plan for completing the course and CPE. Completing each section of the course and the corresponding activities in the order they appear will help ensure you complete the required CPE deliverables and final assessment tasks successfully. Review the assessment directions and rubrics carefully to make sure you understand the relationship between the CPE and performance task requirements.

Check the course announcements for useful messages about the course and contact your course instructor for assistance as questions arise.

Cohort Sign-up

Cohorts provide additional structure and support for challenging aspects of this course. In a cohort you receive specific homework assignments and meet online with mentors and students regularly to discuss the challenging topics.

Failed to retrieve assessments

COURSE INSTRUCTOR

Course Instructor Group

informaticstransforming@wgu.edu

Course Instructor Responsibility

How to Work with Course Instructors