



Vanderbilt University School of Nursing Presents

“Teaching Nursing Informatics in the State of Tennessee”

A Free Continuing Education Series for TN Nursing Educators

**Sponsored by The Tennessee Partnership Robert Wood Johnson
Partners Investing in Nursing’s Future Grant Program**

The Tennessee Board of Nursing’s General Rules Governing Schools of Nursing mandate that nursing informatics content will be included in the nursing curriculum offered in their state. “The curriculum shall include at a minimum the following:... (I) Using informatics to communicate, manage knowledge, mitigate error and support decision-making;...” However, most nursing educators have not had exposure to this content in their own educational programs.

This online program is designed to introduce nursing educators to informatics content in order for them to be able to thread this content into their curriculum.

Upon completion of this online program participants will be able to:

1. Select informatics and technology content that will meet the mandated informatics curriculum needs.
2. Describe ways that nursing informatics content can be integrated into their own level specific curriculum.

Nursing Informatics (NI) integrates nursing science, computer and information science, and cognitive science to manage, communicate, and expand data, information, knowledge and wisdom in nursing practice. Nurses trained in NI support improved patient outcomes through their expertise in information, processes, structures, and technologies, thus helping nurses and other care providers to create and record the evidence of their practice. (*ANA Nursing Informatics: Scope and Standards of Practice, 2008*)



*Online Modules
will be available
for two weeks
July 26 – August
8, 2009*

Modules can be taken separately for CE credit if desired. Estimated time to complete all modules will be eight hours.

Modules

- ***Introduction to Informatics***
 - Define nursing informatics
 - Differentiate informatics from technology use
 - Describe examples of nursing informatics applications

- ***Using Informatics to Communicate***
 - Use a course management system to manage electronic course materials and collaborate with students
 - Use tools available with email systems to manage electronic communications with students and peers
 - Describe contemporary communication tools such as blogs, wikis, Voice over IP, web conferencing, Facebook, Twitter, Instant Messenger
 - Explain use of dashboards for purposes of communication

- ***Using Informatics to Manage Knowledge***
 - Perform accurate literature searches using digital databases
 - Use available population databases to assist students to determine types of nursing care needed for a selected population
 - Incorporate multimedia in electronic presentations
 - Search the WWW for updated, accurate and legitimate sources of information
 - Apply US fair use and copyright laws
 - Describe the protection of electronic information including HIPAA and FERPA regulations

- ***Using Informatics to Mitigate Error***
 - Participate in the design and incorporation of simulations into the curricula for the demonstration of selected nursing interventions and clinical decision-making
 - Safely operate various electronic devices designed to mitigate error (bar coding, RFID, Smart Technology)
 - Identify resources available to standardize competency assessment when necessary
 - Discuss data security and integrity
 - Apply competency assessment when necessary

- **Using Informatics to Support Decision-Making**
 - Use clinical information systems and EHRs to retrieve information and document care
 - Use available electronic decision support tools
 - Use available evidence-based practice tools
 - Describe ways administrative systems support decision-making
 - Discuss point of care technologies that influence decision-making
 - Apply clinical pathways when available

Faculty

Betsy Weiner, PhD, RN-BC, FAAN, Senior Associate Dean for Informatics, Independence Professor of Nursing and Professor of Biomedical Informatics, Vanderbilt University. Dr. Weiner integrates informatics across the academic, clinical, and research mission of the school.

Trish Trangenstein, PhD, RN-BC, Professor of Nursing and Specialty Director of Nursing Informatics, Vanderbilt University.

Jeff Gordon, PhD, Professor of Educational Informatics, Vanderbilt University

Eligibility and Registration

These online modules are available free of charge to nursing educators in the state of Tennessee. Registration is required so that Blackboard course management accounts can be set up prior to the start of the modules on July 26, 2009. To register go to the following website (<https://nursingapps.nursing.vanderbilt.edu/ceregistration/>) and select Teaching Nursing Informatics in TN.

Direct any further questions to the Office of Lifelong Learning (615-343-3294) or lifelong.learning@vanderbilt.edu or <http://www.nursing.vanderbilt.edu/CE>

Nursing Continuing Education Credit

Vanderbilt University School of Nursing, Office of Lifelong Learning is an approved provider of continuing nursing education by the Tennessee Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

Contact hours will be awarded.