

Nursing Informatics Boot Camp Syllabus

Sponsored by the
AL-HIMSS Chapter

January 16-17, 2017, Huntsville Hospital, Huntsville, AL.

Presented by:

Susan K. Newbold, PhD RN-BC FAAN FHIMSS

Gwen G. Holder, MSN, RN-BC

Course Description:

This intensive two-day course focuses on current informatics trends and issues. It includes content for Registered Nurses who are interested in becoming American Nurses Credentialing Center (ANCC) board certified Informatics Nurses. Other clinical professionals working in informatics may wish to take the course to become exposed to the course topics.

Axxess Consult Inc. is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's (ANCC) Commission on Accreditation. 14 hours of continuing education credit will be awarded upon completion of this offering. Full attendance at the program is required. This program is approved for up to 14.5 continuing education (CE) hours for use in fulfilling the continuing education requirements of the Certified Professional in Healthcare Information & Management Systems (CPHIMS) and the Certified Associate in Healthcare Information & Management Systems (CAHIMS).

Course Objectives:

1. Discuss the scope and standards of nursing informatics practice
2. Describe professional practice, trends and issues within the informatics nurse role
3. Explore management and leadership issues affecting informatics in healthcare settings
4. Identify key concepts in informatics, information technology, information management, knowledge generation and data security.
5. Consider human factors in relation to information technology systems
6. Describe models and theories associated with informatics.
7. Delineate steps of the system life cycle as it applies to information technology in the health setting

Conference Topics:

These topics from the ANCC outline will be presented in addition to current topics.

- I. Foundations of Practice
- II. System Design Life Cycle
- III. Data Management and Health Care Technology

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Day 1 Agenda Monday, January 16, 2017

- 7:30am - 8:00am Registration and Continental Breakfast
- 8:00am – 9:00am Welcome, Introductions, Set Objectives
- 9:00am – 10am Foundations of Practice – Professional Practice
- 10:00am – 10:15am Break
- 10:15am – 11:30am Professional Practice (continued)
- 11:30am – 12noon System Design Life Cycle
 - Planning and Analysis
 - Designing and Building
 - Implementing and Testing
 - Evaluating, Maintaining, and Supporting
- 12:00 – 1:00pm Lunch (provided)
- 1:00pm - 2:30pm System Design Life Cycle (continued)
- 2:30pm – 2:45pm Break
- 2:45pm – 3:30pm System Design Life Cycle (continued)
- 3:30pm – 4:30pm Introduction to Case Studies and time to work in groups

Day 2 Agenda Tuesday, January 17, 2017

- 7:30am - 8:00am Sign in and Continental Breakfast
- 8:00am-10:00am Foundations of Practice (continued)
 - Models and Theories
 - Rules, Regulations, and Requirements
- 10:00am - 10:15am Break
- 10:15am – 11:00am Foundations of Practice (continued)
 - Human Factors
- 11:00am – 12:00 Data Management and Health Care Technology
 - Data Standards
 - Data Management
 - Data Transformation
 - Hardware, Software, and Peripherals
- 12:00 – 1:00pm Lunch (provided)
- 1:00pm – 1:30pm Data Management and Health Care Technology (continued)
- 1:30pm – 2:45pm Presentation of Case Studies by Attendees and Discussion
- 2:45pm – 3:00pm Break
- 3:00pm – 3:30pm Presentation of Case Studies by Attendees and Discussion
- 3:30pm – 4:30pm Certification Exam Preparation
 - Final Questions, Course evaluation, Raffle, Adjourn

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Susan K. Newbold, PhD, RN-BC, FAAN, FHIMSS, nursinginformatics@comcast.net, is the Course Director and Consultant in Healthcare Informatics, Franklin, TN. She is uniquely qualified to teach this course as she has experience in the vendor, consulting, academic and hospital world. Dr. Newbold is ANCC Board Certified in Nursing Informatics and initiated the first review course in nursing informatics in 1995. She organized the first hospital based conference in Nursing Informatics in the US. In 2001 she won the Sigma Theta Tau International Honor Society of Nursing International Technology Award for Knowledge Advancement for this course.

Dr. Newbold earned her PhD and MS in Nursing from the University of Maryland, Baltimore. She is a Founder of CARING (now ANIA). She is on the Board of the Tennessee Chapter of HIMSS. She is a Fellow in both the American Academy of Nursing and HIMSS. Identified as a pioneer in nursing informatics, Susan co-edited five books and has written numerous articles on informatics topics. Susan was a keynote speaker in the first nursing informatics conferences held in Taiwan and Singapore and has consulted in informatics in the US, Australia, Canada, New Zealand, Qatar, Singapore, Slovenia, and Taiwan. Susan was selected in the 2013 Class for “Women to Watch” by the Nashville Medical News and is the HIMSS 2015 Chapter Leader of the Year awarded in 2016.



Gwen Holder, MSN, RN-BC, is Director Systems Support Services Vanderbilt University Medical Center, Nashville, TN. Gwen’s clinical background is in medical-surgical nursing and physical/cognitive rehabilitation nursing. She has also served as assistant manager, unit manager, and director of nursing before making the move to informatics 20 years ago. Gwen has been intimately involved with development, training, implementation and support of various homegrown and commercial electronic systems (CPOE, Nursing Documentation, Bar Code Medication Administration, Electronic Medical Record, Dashboards).

She has presented at the local, regional and national level on informatics related topics and has several informatics and leadership related publications. Gwen has co-led a course on system life cycle design in the Nursing Informatics MSN Program at Vanderbilt School of Nursing and serves as a preceptor for Nursing Informatics Practicum experiences. Gwen is board certified in Nursing Informatics by the ANCC.