Nursing Informatics Boot Camp Syllabus
Sponsored by **CNOFL HIMSS Chapter**
Virtual December 11-12, 2020 eastern time zone

5Presented by: **Susan K. Newbold**, PhD RN-BC FAAN FHIMSS FAMIA
                   Constance S. Berner, 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.

Participants will earn 14 contact hours of continuing education credits for attending this event. Please note that you must attend at least 50% of the course times and submit the evaluation to receive 7 contact hours. The Planning committee and speaker for this activity have no financial disclosures to provide.

Axxess Consult Inc. is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's (ANCC) Commission on Accreditation.

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.

Course 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 Friday December 11, 2020 eastern time zone

Time	Topic	Presenter
	Sign onto Zoom a few minutes early.	
8:00am – 9:00am	Welcome, Introductions, Set Objectives	Newbold/ Participants
9:00am – 10:00am	Foundations of Practice -Professional Practice -Interprofessional Collaboration	Newbold
10:00am – 10:15am	Break	
10:15am – 11:30am	Professional Practice (continued)	Newbold
11:30am – 12noon	System Design Life Cycle - Planning and Analysis - Designing and Building - Implementing and Testing - Evaluating, Maintaining, and Supporting	Berner
12:00 – 1:00pm	Break	
1:00pm - 2:30pm	System Design Life Cycle (continued)	Berner
2:30pm – 2:45pm	Break	
2:45pm – 3:30pm	System Design Life Cycle (continued)	Berner
3:30pm – 4:30pm	Introduction to Case Studies and group work	Participants

Day 2 Agenda Saturday December 12, 2020 eastern time zone

Time	Topic	Presenter
8:00am - 10:00am	Foundations of Practice (continued) -Methodologies and Theories -Rules, Regulations, and Requirements	Newbold
10:00am - 10:15am	Break	
10:15am – 11:00am	Foundations of Practice (continued)	
11:00am – 12:00	Data Management and Health Care Technology: Data Standards, Data Management, Data Transformation, Hardware, Software, and Peripherals	Berner
12:00 – 1:00pm	Break	
1:00pm – 1:30pm	Data Management and Health Care Technology (continued)	Berner
1:30pm – 2:45pm	Presentation of Case Studies by Participants and Discussion	Participants
2:45pm – 3:00pm	Break	
3:00pm – 3:30pm	Presentation of Case Studies by Attendees	Participants
3:30pm – 4:30pm	Certification Exam Preparation, Final Questions, Course evaluation, Adjourn	Newbold

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Susan K. Newbold, PhD, RN-BC, FAAN, FHIMSS, FAMIA, 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 worlds. 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 is the Recipient of the Sigma Theta Tau International Honor Society of Nursing 2019 Virginia K. Saba Nursing Informatics Leadership Award.

Dr. Newbold earned her PhD and MS in Nursing from the University of Maryland, Baltimore. She is a Founder of CARING (now ANIA). Susan is a Fellow in the American Academy of Nursing, HIMSS, and AMIA. Identified as a pioneer in nursing informatics, Susan co-edited five books and has written numerous articles and book chapters 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, The Kingdom of Saudi Arabia, 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.

Constance Berner, MSN, RN-BC, has been a registered nurse since 1999 and practiced in many nursing specialties including SICU, ER, and Flight Nursing. She began working in nursing informatics full time in 2010. Mrs. Berner graduated from Walden University with her Master's in Nursing Informatics, is a member of Sigma Theta Tau International Honor Society of Nursing and is certified by the ANCC in Nursing Informatics. She held leadership positions with LifePoint Health, PMG, and Clinicalology. Mrs. Berner works as a Nurse Informatics Specialist on the National Cerner Acute Care Delivery Council for EHR Modernization, EHRM Cerner Testing Council, Nursing Informatics Field Alliance (NIFA) Board, and Nursing Taskforce for Legacy System Modernization with the Department of Veterans Affairs, Office of Nursing Informatics, Washington D.C. Central Office. She is passionate about advancing healthcare technologies to position evidence-based practice and promote patient engagement along the front lines of Veteran care. Her goals focus on using big data to improve the health and wellbeing of generations to come.