

APPROVED COURSE

This completely online, self-paced course is approved by the State of California Board of Registered Nursing for full CE credit; CE Provider No. CEP 14891. Most State & Country licencing Boards accept CE credit approved by other State Boards. It can be used for up to 50% of ANCC accreditation CE requirements

This course is personalized, self-paced and taken entirely online in the privacy of your own home or office.

CERTIFICATE


Upon completion, learners will receive a Board Approved Certificate of Completion for 15 CE credits in PDF format.


[Nursing Informatics Learning Center](#)


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NRBU 102: System Design Life Cycles

 Credits: 15 CE hours

 Length: 5 modules

 Tuition: \$ 99 USD



Empowering Nurses for the 21st Century

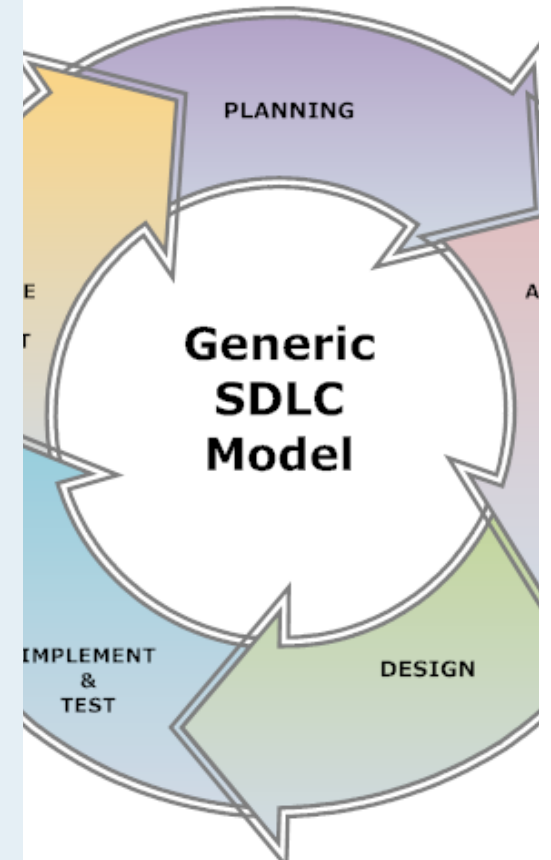
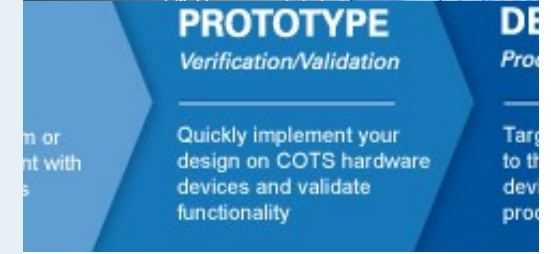
OVERVIEW

This 5 module (15 CE credit) course introduces the learner to the principles and theories of system design life cycles in the context of health technology in nursing informatics. System theory is a strong component of any nursing informatics program or certification examination.

The course is assessed using practical applications of principles and theory and an exploration of system design in health care settings. Throughout the course, nurses are encouraged to explore and assess various system design life cycle models to develop a wide lens understanding of theories and practicalities for practice settings.

OBJECTIVES - Learners will:

- Examine key principles of System Development Life Cycle theories and models.
- Analyze theory and research related to systems design in the context of clinical applications.
- Discuss how nurses can support system design to strengthen informatics projects.
- Apply principles of system design to improve own practice.
- Analyze how system design fits into nursing informatics theory and practice.





More Details

All courses are done completely online in our learning management system, including all materials, activities, assessments, assignments and interactions. You will receive electronic copies of all course materials. When done your course, you will receive a digital certificate of completion.

ASSESSMENT

Learners are assessed for their work on a variety of content-driven assignments including:

- * Journals
- * Workbooks
- * Quizzes

- * System Planning Activities
- * System Analysis Activities
- * System Design Activities

- * System Testing Activities
- * System Evaluation Activities
- * System Support Activities

NRBU 102 MODULES

Module 1:

Introduction to System Design Life Cycles

Module 2

System Planning

Module 3:

System Analysis and Design

Module 4:

System Implementation and Testing

Module 5:

System Evaluation and Support

The System Development Life Cycle (SDLC) is a series of steps that a project team works through in order to conceptualize, analyze, design, construct and implement a new information technology system. Adhering to a SDLC increases efficiency and accuracy and reduces the risk of product failure.

There are several models of the system design (or development) life cycle, and all of them vary in steps or phases. As well, these models are often also called Software Design Life Cycle models. We will examine a few of these models throughout this course to provide you with a repertoire of models for you to choose from in the implementation of any health information system. System theory

is a strong component of any nursing informatics program or certification examination. It is important for all nurses to understand the basics of system theory applied to technological design, especially when applied within patient care settings.

The course is assessed using practical applications of principles and theory and an exploration of system design in health care settings. Throughout the course, nurses are encouraged to explore and assess various system design life cycle models to develop a wide lens understanding of theories and practicalities for practice settings.



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