

APPROVED COURSE

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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 3 CE credits in PDF format.


Nursing Informatics Learning Center


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NRTH 104: Usability Theory

 Credits: 3 CE hours

 Length: 1 module

 Tuition: \$ 20 USD



Empowering Nurses for the 21st Century

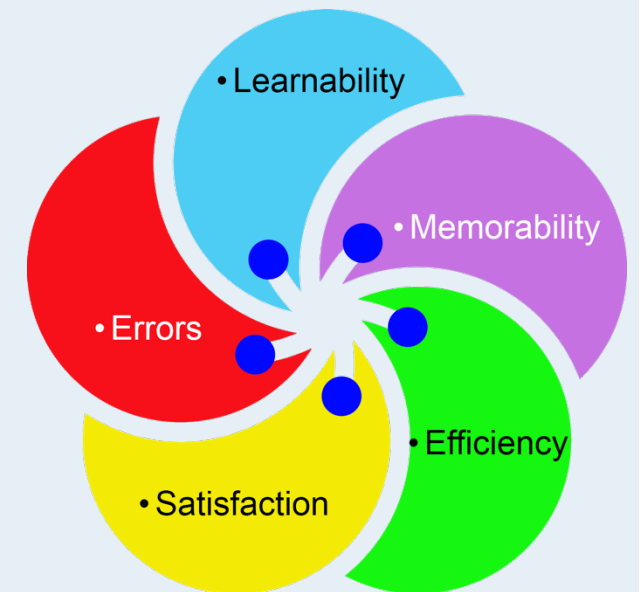
OVERVIEW

This 1 module (3 CE credit) course introduces nurses to Usability Theory which is an important topic in nursing informatics and nursing in general, since Usability is a key consideration when using technology and equipment in health care. Usability is an important consideration when assessing the utility and user-friendliness of any piece of equipment including technology in the workplace or home.

Usability is an important consideration when assessing the utility and user-friendliness of any piece of equipment including technology in the workplace or home. Usability is a key consideration when using technology and equipment in health care.

OBJECTIVES - Learners will:

- ❖ Identify the key elements of usability in the context of health care.
- ❖ Recognize the role of user experience design in usability theory.
- ❖ Describe methods to implement usability evaluation into health care settings.
- ❖ Transpose Usability theory to own development within the field of nursing informatics.





More Details

All courses are done completely online in our learning management system, including all materials, activities, assessments, assignments and interactions.

You will also receive electronic copies of all course materials. When done your course, you will receive a digital certificate of completion.

This course can be done in an afternoon if you are motivated to learn. It consists of a lesson, some brief videos, one reading, and a final exam.

ASSESSMENT

Learners are evaluated by completing



Multiple Choice Final Exam

NRTH 104 MODULE

Module 1:

Usability Theory .

Usability Theory

Since the advent of new technologies, usability must be considered when designing or introducing any technological device: whether wearables, mobiles, laptop, tablet or computer-based or full-fledged organizational systems. “Missing critical functionalities, poor reliability of the software, or inadequate match between interface features and user tasks in general will have a strong impact on users’ ability to conduct their work, independently from the usability of the available system features” (Johnson, 2011, p. 8-9). Nursing informatics encompasses working with all of these varied interfaces to promote positive and health-supporting person-centered experiences.

Well-known usability expert, Jakob Nielsen (2012) also defined usability and elaborated on its core elements:

Learnability: How easy is it for users to accomplish basic tasks the first time they encounter the design?

Efficiency: Once users have learned the design, how quickly can they perform tasks?

Memorability: When users return to the design after a period of not using it, how easily can they reestablish proficiency?

Errors: How many errors do users make, how severe are these errors, and how easily can they recover from the errors?

Satisfaction: How pleasant is it to use the design?

Johnson C.M., Johnston, D. & Crowley, P.K., et al. (2011). *EHR Usability Toolkit: A Background Report on Usability and Electronic Health Records*. AHRQ

Nielsen, J. (2012). *Usability 101: Introduction to Usability*. Nielsen Norman Group.



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