



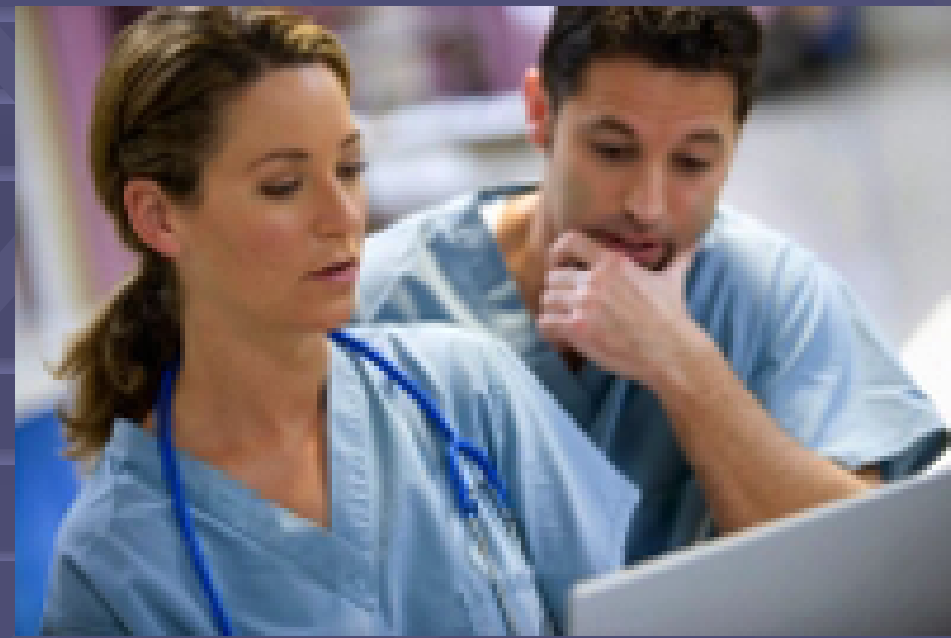
Kwantlen
UNIVERSITY COLLEGE

Nursing Informatics

THE IN/VISIBILITY OF INFORMATICS IN NURSING EDUCATION

Chief Investigator: June Kaminski

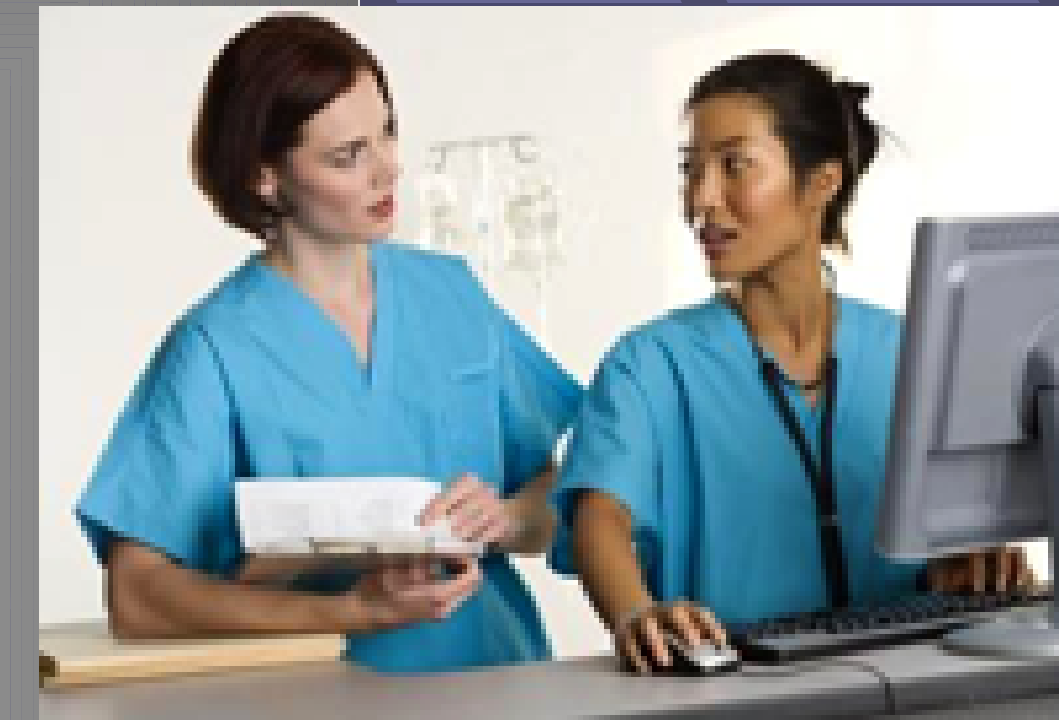
Student Research Assistant: Angela Wilson



CULTIVATING NURSING INFORMATICS CULTURE

The Canadian Nurses Association launched an intensive web-based e-nursing portal initiative in 2006 to begin to facilitate nurse educators and practicing nurses to begin the process of developing nursing informatics competencies, knowledge and culture. Their direction for nursing education is to the point: "Educators need to develop and implement curricula that incorporate nursing informatics competencies in basic and graduate education, be active promoters of ICT [interactive communication technologies] in nursing, lead by example and link their institutions' websites to the portal. Partners should work closely with the Canadian Association of

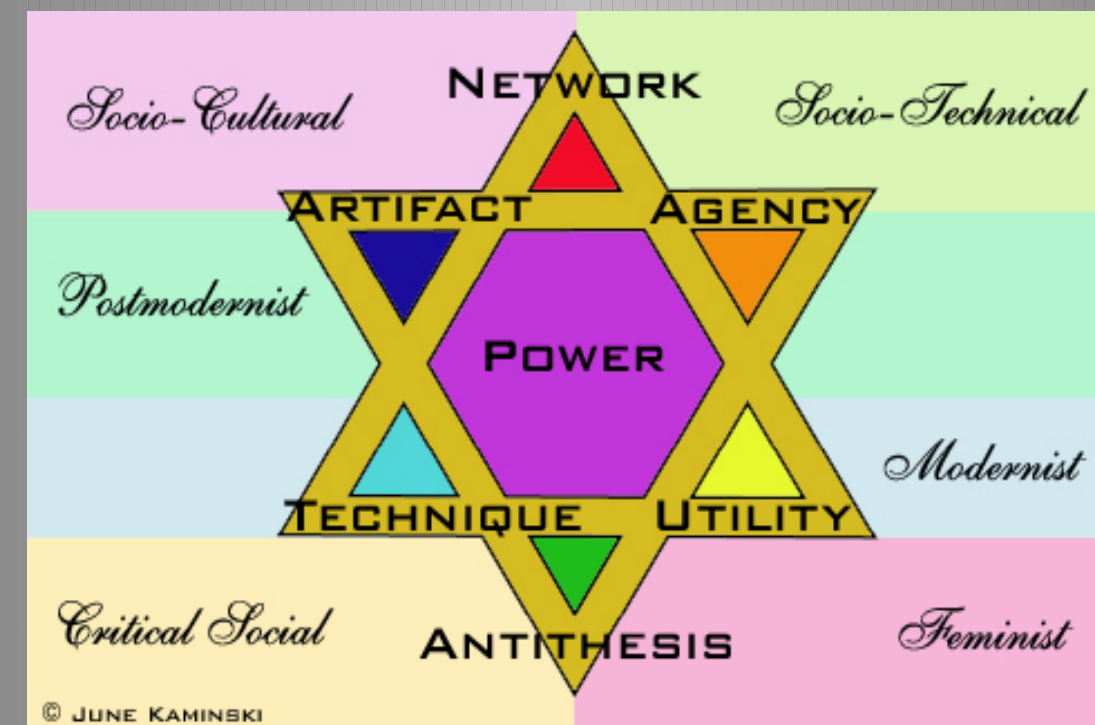
Schools of Nursing to ensure the integration of ICT competencies into core curricula" (Canadian Nurses Association, 2006, p. 81). This proposed research will hopefully provide insight and a potential ~~focus~~ development of a culture for nursing informatics within nursing education by working collaboratively with nursing faculty to explore what is needed to shape this culture.



FOCUS OF INQUIRY

Advances in technology in practice, research, and administration have catalyzed the development of nursing informatics theory and practical applications. Emerging national nursing informatics standards put the onus on nursing education programs and educators to include nursing informatics in the curriculum in a practical and meaningful way.

The integration of computer technology into nursing education is no longer pure trajectory or a luxury. Students are expected to graduate, being able to interact with technology in order to function in health care systems. Most faculty need to gain a realistic view of the current use of computers in health care agencies as well as potential future uses of computers in all aspects of nursing in order to effectively prepare their students for the demands of the workplace (Mikan, 1992).



This proposed research study will include an interpretive participatory action design to work with faculty to explore cultural reconstruction, and develop a prototype of an Internet-based space intended to nurture and cultivate a context for nursing informatics culture in nursing education.

References

- Canadian Nurses Association. (2006). E-nursing strategy for Canada. Ottawa: Author.
- Mikan, K. J. (1992). Implementation process for computer-supported education. In J. Arnold & G. Pearson (eds.) Computer applications in nursing education and practice. New York: National League for Nursing, p. 191 – 199.

Participatory Action Research Data Collection Phases

ENTRY SURVEY: Demographic and Qualitative Survey for all Faculty to share their self-perceptions of their own nursing informatics competence and knowledge.

CYCLE ONE

PLANNING	1. Introductory Workshop with Overview of Study and Nursing Informatics 2. Active Recruitment for Core Group of Participants, Informed Consent 3. Three Working Group Meetings to Dialogue about Nursing Informatics and Plan NILORD interface design and artifacts
ACTION	1. Design of NILORD interface and contents according to input from Participants
OBSERVATION	1. Pilot testing of NILORD interface and artifacts by Participants 2. Virtual data collection of Participant's reactions to NILORD interface
REFLECTION	1. Work group to share reflections about the NILORD interface.

CYCLE TWO

PLANNING	1. Work group to Plan how to integrate the NILORD interface and artifacts into the BSN program
ACTION	1. Planned activities will be shared with entire Nursing faculty as directed by participants
OBSERVATION	1. Observation of how the interface is used by faculty and applied to the program. 2. Virtual data collection of observations by participants.
REFLECTION	1. Final work group to share reflections on the use of the NILORD interface, the cultivation of nursing informatics culture, and this research study's process. 2. Semi-structured interview with each participant to gather data about their insights and perspectives about the development of a culture for nursing informatics.

EXIT SURVEY: Demographic and Qualitative Survey for all Faculty to share their self-perceptions of their own nursing informatics competence and knowledge.