Nursing Informatics Integration in a 4 year BSN Program

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Rationale

- Curriculum supported Nursing Informatics as a central thread
- Stressed the need to integrate NI across the program, not just a single course
- Learning activities developed by author for each Nursing course in program across all four years
Learning Activity Design

- Each Learning activity includes 3 crucial components including:
  - Epistemological: Cognitive, To Know
  - Ontological: Interactive, To Do
  - Phenomenological: Reflective, To Be
Integration Procedure

- From 1996 to 1999, a paper manual was used for integration
- In September 1999, a web-based environment for the content was added
- Content is updated and revised annually (summer)
Integration Procedure (ii)

- The learning activities are focused on 3 themes:
  - 1. Nursing Informatics Theory
  - 2. Computer Application Literacy
  - 3. Nursing Informatics Culture Development
Integration Procedure (iii)

- Each student were provided with a manual and a website directory (70+ pages each)
  - and access to the web-based learning environment

- Specific learning activities for each course integrated into the classroom by some faculty or taught directly by author as guest instructor.
Integration Procedure (iv)

- Cyberphobia is addressed: each student completes the P.A.T.C.H. assessment tool (Pretest for Attitudes Toward Computers in Healthcare) © June Kaminski

- A personal learning plan to develop computer literacy is also encouraged
Nursing Informatics Learning Activities
YEAR ONE

- Semester One
  - Electronic Literature Search
  - Nursing Informatics as a Competency
  - Observation: Nurse’s Use of Computers
  - Reverie Journaling (Word-Processing, Blogs)

- Semester Two
  - World Wide Web Searches
  - Email, Netiquette
  - Personal Portfolio: (Spreadsheets)
Nursing Informatics Learning Activities
YEAR TWO

- Semester Three
  - Use of Nursing Info Systems In Acute Care
  - Discharge Planning (E-Pamphlet, E-Booklet)
  - Health Challenge Research

- Semester Four
  - Technology & Caring
  - Health Information: Nursing Components
  - Confidentiality & Security
  - Visual Teaching in Pathophysiology
Nursing Informatics Learning Activities
YEAR THREE

- Semester Five
  - Nurse Expert Systems
  - Teaching Prevention
  - Preparing for the Future
  - Bioethics & Technology
  - RN ACCESS: Intro to Nursing Informatics

- Semester Six
  - Health Promotion Tool
  - Research Software
  - Website Development
  - Online Collaboration
  - Community Development
Nursing Informatics Learning Activities
YEAR FOUR

❖ Semester Seven
❖ Computers & Change
❖ Data Analysis Software
❖ Group Chats & IRC
❖ CHINS, Telenursing

❖ Semester Eight
❖ Multimedia
❖ Lifelong Learning & Competencies
❖ Nursing Informatics Specialization
Web-based Environment

**BENEFITS**

- Core resources online
- Develop Internet skills
- Readings & references
  - Online Tutorials & Research sources hyperlinked
- Ready access to Help
- Interactive groups & Canadian Informatics sites hyperlinked (CNIA, CIHI, COACH, CNA,..)
- Ontological component is more realistic
Web-based Environment

CHALLENGES

- Computer Literacy
- Cyberphobia
- Access (lab, home)
- Faculty Readiness
- Motivation
- Server Downtime
- Campus Resources

- Tutoring complex skills (Website design, Multimedia, etc.)
- Budget Restraints for Faculty Training
- Student Workload
- Learning Curve
Web site Location and Contact

- The website is currently viewable at: http://www.nursing-informatics.com/kwantlen/
- For further information contact June Kaminski at june@nursing-informatics.com
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