Welcome to PIVOT, the Center for Innovation in Nursing Education Newsletter

We are pleased to provide you with the first issue of the CINE Newsletter. The CINE mission is to provide leadership in designing and implementing new and exciting nursing education initiatives to change the nature and quality of nursing education within the state of Texas and throughout the nation. The CINE provides leadership in uniting efforts across health care, education, and public sectors to address nursing workforce challenges by creating innovative new approaches to education.

Educating Nurses: Teaching and Learning a Complex Practice of Care

The work of Dr. Patricia Benner and team at the Carnegie Foundation has been completed and the findings were recently presented at a national workforce conference in San Francisco earlier this month. Dr. Benner’s work from the preparation of the professional program has studied the educational “footprint” of clergy, engineering, law, medicine and most recently nursing. The data was obtained by surveys of nurse educators and students through organizations such as NLN, AACN, and NSNA. A select group of nursing schools were then involved in a qualitative phase of this research.

Dr. Benner and colleagues found “Teaching a practice requires experiential teaching and learning, situated cognition (thinking in action) and reflection on particular cases and situations as well as development of ethical components”. This results in what is termed “Three Apprenticeships” which require very different pedagogies.

The first apprenticeship is intellectual training or cognitive apprenticeship, the second is the apprenticeship of clinical judgment, and the third is the apprenticeship for ethical standards. The results of this study are very interesting and the summary of the data can be found at the following link: http://www.nursingworkforcecenters.org/Longview%20Conference%202007/Long%20View%20Conference%202007%20Presentations/001%20CFAT%20Nursing%20workforce%20June%202007%20FIN.pdf

This is very important foundational knowledge to building relevant curricula across all programs whether graduate or undergraduate.

QSEN (Quality and Safety Education for Nurses)

Many of you have been reading about the QSEN project sponsored by Robert Wood Johnson Foundation funding to the University of North Carolina, Chapel Hill. The project is now in phase II funding and TTUHSC has applied to be one of 15 schools in the phase II funding. This project can be seen in several recent publications in the entire issue of Nursing Outlook June 2007. “In Quality and Safety Education for Nurses: Phase II, the goal is to learn what resources, faculty development, and change strategies are needed to accomplish the development of quality and safety competencies among pre-licensure nursing students” (www.qsen.org). The competencies identified in phase I were the IOM competencies plus One (patient safety). We should be notified in mid-July of TTUHSC SON acceptance into the phase II study. This team will be lead by Donna Owen, Cynthia O’Neal, and Ann Utterback.
The Oregon Model

Dr. Chris Tanner is leading a statewide project to form a partnership of community colleges, and public and private university schools of nursing in response to the critical nursing shortage. The Oregon Consortium for Nursing Education is one mechanism Oregon nursing programs are using for expanding their capacity and enrollment, and preparing graduates of these programs with the identified competencies to address the rapidly changing health care needs of Oregon's aging and ethnically diverse populations (www.ocne.org). The outcomes of this model encourage transition education to the BSN and all schools will have a common competency-based curriculum, simulation laboratories in all partner schools, faculty trained to deliver the OCNE curriculum and a new clinical education model. Exciting outcomes for the students in this model are: “Standardized admissions criteria, Shared application process, including financial aid and dual enrollment all online, Transferability between the partner schools, Associate degree exit option, Baccalaureate degree option, The opportunity to remain in their home location, Access to simulation training, The opportunity to participate in coursework through distance delivery, The opportunity to complete a secondary focus area of study, with upper division courses that support competent nursing practice” (http://www.ocne.org/about.php).

The following is a link to a recent presentation by Dr. Tanner for your review:
http://www.nursingworkforcecenters.org/Longview%20Conference%202007/Long%20View%20Conference%202007%20Presentations/Nursing%20Workforce%20Centers%20June%202007.pdf

Simulated E-hEalth Delivery System (SEEDS)

This is an exciting academic-business partnership between Kansas University Medical Center and Cerner Corporation. A virtual health science center customized for participating partners has been developed by this partnership. The software allows a live production of a clinical information system designed for health care delivery which is used in simulation to teach curriculum content to all health professions students. This was recently presented at the 25th Annual Rutger’s Technology in Nursing Conference. The project is lead by Dr. Helen Connors, the associate dean and director of the nursing informatics center at KUMC. A very informative 15 minute video of this project which has transformed education in all programs at KUMC can be viewed at the following website: http://www2.kumc.edu/healthinformatics/video.html. The students in nursing who were randomly assigned to this program upon admission demonstrated a 100% pass rate on the NCLEX. Another major outcome of this program has been a much greater interdisciplinary approach among all schools of the medical center who utilize the SEEDS software.
DUKE TIP-NEP PROJECT

The Technology Integration Program for Nursing Education and Practice (TIP-NEP) is providing new information and skills to nursing faculty who seek to advance the inclusion of new educational and clinical technologies into the curricula at their home institutions. Selected nursing faculty teams from across the United States have the opportunity to travel to Duke University to learn firsthand about technologies that are being used in nursing education and clinical practice. We are very happy to announce Mary Ann Hanley, Patricia Francis-Johnson, and Amy Moore have been selected as a faculty team for this project. More about the TIP-NEP project can be viewed on their website at: http://www.tip-nep.org/?page_id=12

What’s New From The CINE

The CINE faculty have been very busy presenting the results of the National Science Foundation Technology Innovation Grant, “The Alliance for Innovation in Nursing Education”. This research ended in December 2006 and outcomes achieved through this grant follow:

- Data analysis revealed there was no significant difference in student exit exam scores on the ATI between students who completed the Second Degree web-based BSN and those students with a degree who completed the pre-licensure program.
- Technology infusion in the curriculum resulted in over 52 students and 52 coaches utilizing PDAs at the point of care.
- A 360º URL for student/coach/faculty tracking of student-patient assignments, hours in the clinical setting, comments about performance by student/coach/faculty and skills performed has been utilized for the last year. This database allows the faculty to query to determine all patients cared for by one student while in the program as well as skills performed and days/hours in the clinical setting for each student while completing the program.
- Austin Community College received $100,000.00 in funding for further infusion of technology in the associate degree program. They provided student referral to the program, on-sight exam monitoring for the 2nd degree students, laboratory use, and facilitated Tech entry into the Austin area clinical facilities.
- By grant end in December 2006, 52 students had completed the program.
- Fifty two laptops were distributed and used by student’s offsite.
- Two publications and many presentations have been given as a result of these outcomes.

The HRSA grant obtained by Dr. Myrna Armstrong is coming to a close on June 30, 2007. This grant had some very exciting outcomes for the 2nd degree program. One exciting outcome is the testing of the “coach model” as the clinical teacher at the bedside. This model has been extremely successful and as of August 2007, seventy-four students will have completed this program with a coach at their side. Other outcomes besides the success of this online community based model for nursing education include:

- Over $950,000 generated in online student fees for program sustainability beyond tuition revenue.
- Recruitment of a diverse student body through targeted recruitment activities.
- Intensives, now known as competency assessments of students by SON faculty on and off site have been implemented and thanks to the hard work of Cathie Collins and team have been very successful in student learning as well as evaluation.
- Multiple presentations and several publications to share the model statewide and nationally by Pat Francis Johnson, Ruth Ann Bridges, Cathie Collins, Donna Scott Tilley, Pat Allen and Alexia Green.
What’s Next for the CINE

In order to better serve the entire SON the CINE will have a call for all faculty interested in educational research and the CINE mission to join the CINE. Applications will be sent in August via email. Finally, the CINE is reconstructing the website through the assistance of Lynda Billings and Joe Ferrer and team.

Look for the new website to be linked from the SON main page soon.

Further Reading


QSEN Publications Nursing Outlook May/June 2007 Volume 55 Issue 3


