**TLAC Conference Grant Program**

***Application for Grant: April 2012***

**Dr. Terry Delpier, Tenured Professor**

**School of Nursing, 2308 NSF;** [**tdelpier@nmu.edu**](mailto:tdelpier@nmu.edu)**; 227-1676**

**Conference: June 20-23, 2012**

**11th Annual International Nursing Simulation/Learning Resource Centers Conference**

**Sponsored by: The International Nursing Association for Clinical Simulation and Learning (INACSL), San Antonio, Texas**

**Introduction**

Providing safe and effective nursing care for children requires not only an adequate knowledge base, but the ability to think critically, and the ability to actually provide the care with appropriate psychomotor skills. Students must be able to “walk the walk,” not just “talk the talk.” In other words, they must be able to perform the necessary care, not just verbalize it. Imagine if a nurse was able to accurately explain the components of giving an intramuscular injection, but did not have the skill and confidence to actually administer the injection safely. Expand this simple example to a more complex situation such as caring for a child who is gasping for air, with parents hovering at the bedside. Although nursing students gain the knowledge in lecture of how to provide care for such a child in acute respiratory distress, nursing education must also provide students with the opportunity to develop their psychomotor skills, as well as their ability to critically think, in order to safely care for children.

Using simulation is an ideal method of providing this type of clinical experience to novices. It is a safe venue in which nursing students learn and practice their judgment and skills without the possibility of harming a real child. In clinic, care of such a child would take precedence over the student’s learning needs. If a student was placed in such a clinical situation, the student would be pushed to the side so that an experienced nurse could provide the care. In a simulation, the learning needs of the student are the priority and the student is given the opportunity to work through and learn from the potentially life-threatening situation (Wong et al., 2008).

Simulations are scenarios using props (manikins, equipment and supplies) to provide a realistic experience for the learner. Developing a realistic simulation involves designing a full scale setting using a high fidelity “patient” manikin (a manikin enhanced with realistic abilities such as lung sounds and heart sounds) and having the necessary equipment and supplies to mimic a health care setting (Medley & Horne, 2005; Long, 2005; Henneman & Cunningham, 2005).

Currently, I use simulation as part of my pediatric clinical rotations. This is mostly out of necessity, as the Pediatric Unit at Marquette General Hospital has an average daily pediatric census of 1.5 children, while my clinic groups typically have 10 students.

**Funding request**

Although I am using simulations with my students, I have limited training. My simulations are based primarily upon my clinical experience and my personal research on the topic. I believe my students would benefit greatly from my attending a conference devoted to simulation where I could learn not only practical suggestions for developing and running a simulation, but also the theory and research behind simulation. The 11th Annual International Nursing Simulation/Learning Resource Centers Conference, to be held later this summer in San Antonio, Texas is an ideal conference for me to attend. I am particularly interested in learning:

* How to write and develop scenarios
* Methods of debriefing after completing a simulation. This is often considered one of the most important components of the simulation. Though I currently debrief with students, I am certain I will learn how to improve in this area.
* Methods of improving realism through developing realistic skin conditions for manikins. Many pediatric diseases are associated with a rash. Being able to have a realistic looking rash would add to the believability of the simulation.
* There is a presentation specifically on pediatric simulation.

***I am requesting $800 to supplement my AAUP Professional Development funds to attend the Simulation Conference.*** My primary objective is to improve my teaching. However, simulation is an area I would like to study and possibly research. This conference may help provide direction to my interests.

**Eligibility**

I am a tenured full professor teaching in the School of Nursing. I teach primarily Pediatric nursing and Nursing Assessment in the curriculum.

**Interest in Teaching and Pedagogy**

I have a long history related to developing better methods of teaching in nursing. I started teaching pediatrics using case studies. This led to a publication and a textbook contribution:

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| 4/2010 | Textbook Contributor: *Wong’s Nursing Care of Infants and Children, 9th edition*. Five Critical Thinking Case Studies: Preschool Assessment, Premature Infant, Cleft Lip & Palate, Infant Diaper Rash, Congestive Heart Failure |
| 7/2006 | Delpier, T. (2006, July/August) “Cases 101: Learning to Teach with Cases,” *Nursing Education Perspectives, 27*(4), pp 204-209. |

I later developed an interest in simulation. This led to three successful grant applications:

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| 4/2012 | Co-recipient of NMU Instructional Improvement Grant: Pediatric Nursing 1 year old simulator. Proposal co-written with Professor Kristi Burdick. Grant funded for $3000. |
| 4/2010 | Co-recipient of NMU Instructional Improvement Grant: Pediatric Nursing Simulation Program Proposal co-written with Professor Kristi Burdick. Grant funded for $3000. |
| 4/2006 | Co-recipient of NMU Instructional Improvement Grant: Nursing Simulation: Emergency Equipment Proposal co-written with Professor Lisa Flood. Grant funded for $3000. |

I have also presented on both case studies and simulations:

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| 6/2006 | 2 Presentations: 1) Cases 101: Learning to Teach with Cases and  2) “Home Grown” Computer Simulations, Drexel University: 2006 Nursing Education Institute, Providence, Rhode Island |
| 2/2003 | Poster Presentation: The Use of Case Studies in Nursing Education  Xi Sigma conference, Marquette, MI |
| 4/1997 | NMU Presentation: Case Studies in Nursing Education |
| 6/1996 | Poster Presentation: Case Studies in Nursing, copresented with Professor Lisa Flood, Nursing Education Conference, Washington D.C. |
| 3/1993 | Poster Presentation: Nursing Case Studies, copresented with Professor Lisa Flood, NMU Faculty Conf, Marquette, MI |

Sharing Information

Simulation requires a team effort. I have already worked collaboratively with two faculty members to help find funding for our simulation program. Those efforts have resulted in

* Purchase of two Emergency Crash carts, funded by a 2006, Instructional Improvement Grant
* Purchase of a simulation computer program, funded by a 2010 Instructional Improvement Grant
* Awarded funding to help purchase a one-year-simulator later this year, funded by the 2012 Instructional Improvement Grant.

All of these efforts have significantly added to the realistic, hospital-like setting, of our fledgling simulation program and I am committed to improving this program. I believe my attendance at this conference will expand my knowledge and skill in teaching all of my clinical nursing courses. I also believe that my improvements may have a positive impact not only on students, but on other nursing faculty.

***Budget (estimated expenses)***

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| Air Transportation | $550 |
| Ground Transportation | $60 |
| Lodging (rooming alone; less if a roommate is available) | $945 |
| Conference Fee | $500 |
| Meals | $128 |
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| **Total** | **$2183** |

**I hear, and I forget.... I see, and I remember.... I do, and I understand."   ~ Confucius**

Appendices

1. References
2. Curriculum Vitae: Terry Delpier

**Appendix A**

References

Henneman, E. A. & Cunningham, H. (2005). Using clinical simulation to teach patient safety in an acute/critical care nursing course. *Nurse Educator*, *30*(4), 172-177.

Long, R. E. (2005). Using simulation to teach resuscitation: An important patient safety tool. *Critical Care Nursing Clinics of North America*, *17*, 1-8.

Medley, C. F. & Horne, C. (2005). Using simulation technology for undergraduate nursing education. *Journal of Nursing Education*, *44*(1), 31-34.

Wong, F. K. Y., Cheung, S., Chung, L., Chan, K., Chan, A., To, T., & Wong, M. (2008). Framework for adopting a problem-based learning approach in a simulated clinical setting. *Journal of Nursing Education, 47*(11), 508-514.

**Appendix B**

**CURRICULUM VITAE**

**Terry Delpier DNP, RN, CPNP**

Teresa L. Delpier

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| Work: #2308 New Science Facility  Northern Michigan University  (906) 227-1676  [tdelpier@nmu.edu](mailto:tdelpier@nmu.edu) | Home: 914 W. Kaye Ave  Marquette, MI 49855  (906) 228-6860 |

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| **Education** |  |  |  |
| Oakland University Rochester, Michigan | DNP | 2007 | Doctor of Nursing Practice |
| University of Washington Seattle, Washington | MN | 1989 | Specialization: Pediatrics Pediatric Nurse Practitioner Certificate |
| Nazareth College Kalamazoo, Michigan | BSN | 1979 | Nursing |

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| **Certification** | |
| 1993-present | Pediatric Nurse Practitioner National Certification Board of Pediatric Nurse Practitioners & Nurses |
| 1990-1994 | Pediatric Nurse Practitioner American Nurses’ Association |
| 2000-present | PALS certified |

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| **Teaching Experience** | |
| 8/91-present | **Pediatric Nursing Faculty** Professor, 8/2006; Tenured, 8/1999  Northern Michigan University, Marquette MI |

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| **Clinical Experience** | |
| 8/01-present | **Pediatric Consultant**  MGH Women & Children’s Center, Marquette, MI |
| 5/90 - 7/90 | **Pediatric Nurse Practitioner, Intermittent position**  Seattle-King County Public Health Department, Seattle WA |
| 6/89 - 9/89 | **Camp Nurse**   Bay Cliff Health Camp, Big Bay, MI |
| 9/86 - 7/90 | **Surgical Unit Nurse**  Children's Hospital, Seattle, WA |
| 8/83 - 8/86 | **Special Care Nursery Nurse**  Marquette General Hospital  Marquette, MI |
| 2/80 - 7/83 | **Pediatric Unit Nurse**  Ingham Medical Center, Lansing, MI |
| 5/79 - 1/80 | **Toddler Unit Nurse** Bronson Hospital, Kalamazoo, MI |

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| **Honors, Awards, Grants, Sabbaticals, & Scholarships** | |
| 1/2011 | NMU Reassigned Time Award: MRSA Article |
| 4/2010 | Co-recipient of NMU Instructional Improvement Grant: Pediatric Nursing Simulation Program Proposal co-written with Professor Kristi Burdick. Grant funded for $3000. |
| 12/2009 | NMU Nursing Department Pinning Ceremony Speaker |
| 2007-2008 | 1 year Sabbatical: Complete DNP program |
| 4/2006 | Co-recipient of NMU Instructional Improvement Grant: Nursing Simulation: Emergency Equipment Proposal co-written with Professor Lisa Flood. Grant funded for $3000. |
| 9/2004 | First place Research Poster Award. *Pediatric Nursing 20th Annual Conference*, Orlando, Florida |
| 1999-2000 | Co-recipient of NMU Faculty Research Grant: Caring for Adoptive Families Proposal co-written with Professor Eileen Smit. Grant funded for $6000 |
| 1999-2000 | College of Nursing and Allied Sciences Research Grant to support adoption related research. Proposal co-written with Professor Eileen Smit. Grant funded for $2000. |
| 1998-1999 | Co-recipient of two NMU Curriculum Grants: Interdisciplinary Teaching for Pre-professional Human Service Providers – Early On Seminars. Proposal co-written with Professors: Farral Belmore, MaeBelle Kessel, Laura Reissner, Susan Larson, Stephanie Marcum, Karen Suksi. Grant funded for $1,120 |
| 8/98-5/99 | Member of Inaugural Lake Superior Leadership Academy class |

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| **Research Activities** | |
| 2007 | “The Complexity of Hygiene Practices in Adolescent Male Athletes.” DNP qualitative research project, Oakland University, Rochester, MI |
| 1999- 2004 | “Caring for Adoptive Families: Lessons in Communication,” Data collection and analysis, Principal Investigator, Eileen Smit, NMU, Marquette, MI |

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| **Publications** | |
| 1/2012 | Smit, E., **Delpier, T**, Giordana, S., Tremethick, M.J. (2012). “Learning and Helping: Benefits of International Nurse Practitioner Student Experiences,” *Online Journal of Cultural Competence in Nursing and Healthcare, 2*(1), 18-28. |
| 4/2010 | Textbook Contributor: *Wong’s Nursing Care of Infants and Children, 9th edition*. Five Critical Thinking Case Studies: Preschool Assessment, Premature Infant, Cleft Lip & Palate, Infant Diaper Rash, Congestive Heart Failure |
| 2/2010 | Flood, L., Gasiewicz, N., & **Delpier, T**. (2010). “Integrating Information Literacy Across a BSN Curriculum,” *Journal of Nursing Education, 49*(2), pp 101-104. |
| 7/2006 | **Delpier, T**. (2006, July/August) “Cases 101: Learning to Teach with Cases,” *Nursing Education Perspectives, 27*(4), pp 204-209. |
| 3/2006 | Smit, E. M., **Delpier, T**., Tarantino, C. L. F., & Anderson, M. L. (2006, March/April). “Caring for Adoptive Families: Lessons in Communication,” *Pediatric Nursing, 32*(2), pp 136-143. |
| 8/1996 | **Delpier, T.** (1998). Admission shuffle. In M.L. Deck (Ed.), *More Instant Teaching Tools* (pp. 236-240). St. Louis: Mosby. |

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| **Professional Presentations** | |
| 10/2011 | Oral Presentation: The Effectiveness of a Student-Led Intervention on Sugar Sweetened Beverages in the UP of Michigan NAPNN Updates in Clinical Management Marquette, MI Co presenter: Melissa Romero |
| 7/2011 | Poster Presentation: Complexity in the Locker Room: The Threat of CA-MRSA in Adolescent Athletes 2011 NASN 43rd Annual Conference , Washington D.C. |
| 6/0/11 | Oral Presentation: Integrating Information Literacy Across a BSN Curriculum 2011 QSEN National Forum: Charting the Course. University of North Carolina-Chapel Hill; Milwaukee, Wisconsin Co presenters: Nanci Gasiewicz & Lisa Flood |
| 6/2010 | Presentation: Integrating Information Literacy Across a BSN Curriculum, copresented with Dr. Nanci Gasiewicz and Dr. Lisa Flood, Drexel University: 2010 Nursing Education Institute, Myrtle Beach, South Carolina |
| 3/2010 | Presentation: “Pyloric Stenosis,” Marquette General Hospital, Marquette, MI PDF format of presentation available electronically on MGHS System. |
| 6/2008 | Poster Presentation: “The Complexity of Hygiene Practices in Adolescent Male Athletes,” American Academy of Nurse Practitioners: 23rd National Conference for Nurse Practitioners: Washington, DC |
| 9/2007 | Poster Presentation: “The Complexity of Hygiene Practices in Adolescent Male Athletes, Oakland University: Health Disparities: Bridging Research and Practice, Troy, MI |
| 10/2006 | NMU Board of Trustee Presentation: SimBaby Demonstration |
| 6/2006 | 2 Presentations: 1) Cases 101: Learning to Teach with Cases and 2) “Home Grown” Computer Simulations, Drexel University: 2006 Nursing Education Institute, Providence, Rhode Island |
| 6/2005 | Poster Presentation: “Teaching NICU Care: Little Babies, Big Challenges, Drexel University: 2005 Nursing Education Institute, Atlantic City, NJ |
| 5/2005 | Paper Presentation: “Caring for Adoptive Families: The Importance of What You Say", copresented with Professor Eileen Smit, Reproductive Disruptions Conference, Ann Arbor, MI |
| 4/2005 | Poster Presentation: “Caring for Adoptive Families: The Importance of What You Say", NAPNAP 26th Annual Conference, Phoenix, AZ |
| 9/2004 | Poster Presentation: “Caring for Adoptive Families: The Importance of What You Say", copresented with Professor Eileen Smit, Pediatric Nursing 20th Annual Conference, Orlando, FL |
| 2/2003 | Poster Presentation: The Use of Case Studies in Nursing Education  Xi Sigma conference, Marquette, MI |
| 12/2003 | Teleconference Presentation: Pediatric Assessment, Marquette General Hospital, Marquette MI |
| 12/2002 | Presentation of JACHO Pediatric Medication Module, Marquette General Hospital, Marquette, MI |
| 6/2002 | Teleconference Presentation: Pediatric Fluid Management, Marquette General Hospital, Marquette MI |
| 10/2001 | Teleconference Presentation: Pediatric Assessment, Marquette General Hospital, Marquette MI |
| 11/1999 | Presentation: “Research Collaboration: Collision Course or Destiny,” copresented with Professor Eileen Smit. Freshman Fellowship Seminar, Northern Michigan University, Marquette, Michigan |
| 4/1997 | NMU Presentation: Case Studies in Nursing Education |
| 6/1996 | Poster Presentation: Case Studies in Nursing, copresented with Professor Lisa Flood, Nursing Education Conference, Washington D.C. |
| 3/1993 | Poster Presentation: Nursing Case Studies, copresented with Professor Lisa Flood, NMU Faculty Conf, Marquette, MI |

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| **Scholarly Activities** | |
| 4/2010 | Textbook Reviewer: Wong’s Nursing Care of Infants and Children, 9th edition. |
| 8/2009 | Chapter Reviewer: “Pediatric Careplans in Swearingen’s *All-in-One Care Planning Resource: Medical-Surgical, Pediatric, Maternity & Psychiatric Nursing Care Plans, 2nd edition.* Elsevier. |
| 8/2006 | Curriculum Reviewer: Understanding Infant Adoption – Trainer’s Guide |
| 6/2006 | DVD Script Reviewer: Head-to-Toe Examination of the Normal Child, Elsevier |
| 7/2005 | Textbook Reviewer: Children and Their Families, Bowden; Lippincott Williams & Wilkins |
| 12/2002 | Development of JCAHO Pediatric Medication Module, Marquette General Hospital, Marquette, MI |
| 8/1997 | Item Writer for NCLEX Exam |
| 1994-1996 | National Certification Board of Pediatric Nurse Practitioners and Nurses (NCBPNP/N) Certification Self Assessment Item Writer |

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| **Service** | |
| 2011-present | NMU Senate Committee: Committee on Internationalization (COI) |
| 2010-present | Nursing Department Bylaws Review Committee Representative |
| 2009-2010 | MGHS: Pediatric Failure Mode & Effects Analysis Committee (FMEA) |
| 2009-present | NMU Nursing Department Executive Committee, Chairperson |
| 2006-2007  2008-present | NMU Senate Committee: Honors Board Committee (sabbatical: 2007-2008)  2009: HB CUP Development Proposal: HON 300;   2010: Faculty Evaluation Subcommittee  2010-2011: Chairperson |
| 2006-present | Marquette Area Public School, Family Life Advisory Committee |
| 2006-2007 | NMU Nursing Department Student Affairs, Chairperson |
| 2005-present | NMU AAUP Bargaining Council Representative |
| 2001-2003 | NMU Nursing Department Student Affairs, Chairperson |
| 2000-2006 | NMU Senate Committee: Faculty Grants Committee  2002-03: Secretary; 2003-05: CoChair/Chair; 2005-06: Secretary |
| 1998-2002 | NMU First Year Programs Advisory Committee |
| 1997-2001 | NMU Retention & Recruitment Committee |
| 1996-1999 | NMU AAUP Bargaining Council Representative |
| 1995-2000 | NMU Senate Committee: Committee on Elections and Committees  1994-97: Secretary; 1997-99: Chairperson; 1999-00: Secretary |
| 1995-1997 | NMU Study Committee: MOU #5, Secretary |
| 1995-1997 | Open Airways for Schools Instructor |
| 1993-1995 | NMU Nursing Department Student Affairs, Chairperson |
| 1992-present | Nursing Consultant, Bay Cliff Health Camp, Marquette, MI |

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| **Teaching Experience** | | |
| F02, W03, W04 | AH 125 | Clinical Assistant Skills: Directed Study |
| F01 - present | NU201 | Holistic Health Assessment (Theory) NE 200-Basic Health Assessment, Interviewing & Communication |
| F01 - present | NU202 | Holistic Health Assessment (Lab) NE 200L-Basic Health Assessment, Interviewing & Communication |
| W02 – W04 | NE 202 | Introduction to Nursing Skills (Lab) |
| W98, W99, W00 | NE 334 | Professional Nurse (Theory): LPN to BSN transition |
| W98, W99, W00 | NE 335 | Professional Nurse (Practice): LPN to BSN transition |
| F92, W93 | NE 341 | Nursing Care of the Expanding Family (Clinic) |
| F93 - present | NU 331 | Nursing Care of Children & Adolescents (Theory)  NE 381 – Child & Family Nursing (Theory) NE 360 – Child-Adult Nursing Concepts (Theory: Pediatrics) |
| F91 - present | NU 332 | Nursing Care of Children & Adolescents (Clinic)  NE 382 – Child & Family Nursing (Clinic) NE 361 – Child-Adult Nursing Concepts (Clinic: Pediatrics) |
| W01 | NE 391 | Transitions in Professional Nursing (Theory): RN to BSN |
| W01 | NE 392 | Transitions in Professional Nursing (Clinic): RN to BSN |
| W97 | NE 411 | Management Concepts in Nursing (Clinic): RN to BSN |
| W02 | NE 435 | Senior Nursing Seminar (Theory) |
| F01, F02 - W06 | NE 435 | Senior Nursing Seminar (Theory) Guest Speaker: Pediatric Review |
| F08 | NE 501 | Nursing Science and Concepts of Nursing Practice (Online Theory) |
| F98, F99, F01 | NE 541 | Advanced Health Assessment (Theory) Guest Speaker: Pediatric Assessment |
| S10 | NE 545 | Primary Health Care Management: Study Abroad - Honduras |
| Fall: 1997-2001 | UN 100 | Freshman Seminar |