

Ksenia Zukowsky, PhD, APRN, NNP-BC

### **WORK ADDRESS**

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### **EDUCATION**

2002	PhD Nursing	New York University, New York, NY Doctoral Dissertation: "Breast – fed Low Birth Weight Premature Infants: A Description of Nutritional Intake and Growth and Development in the First Six Months of Life"
1987	MSN	University of Pennsylvania, Philadelphia, Pennsylvania. Neonatal Nurse Practitioner
1985	BSN	LaSalle University, Philadelphia, PA
1975	Diploma	Presbyterian School of Nursing University of Pennsylvania Medical Center Philadelphia, PA

### **PROFESSIONAL CERTIFICATION EDUCATION**

National Faculty "Neonatal Resuscitation" American Academy of Pediatrics and American Heart Association. Nursing Child Satellite Training (NCAST) Seattle Washington.	November 1988 to the present.  June 1981.
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### **PROFESSIONAL EXPERIENCE**

#### **Academic Experience:**

July 2008- Present:	Director, Women's and Children's Health Programs Jefferson School of Nursing, Jefferson College of Health Professions, Thomas Jefferson University
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September 2003-Present: Assistant Professor and Program Coordinator, Neonatal Nurse Practitioner Program, Jefferson School of Nursing, Jefferson College of Health Professions, Thomas Jefferson University

May 2001–Present Series Editor, Advances in Neonatal Care, Official Journal of the National Association of Neonatal Nurses (NANN)

January 1995–2000 Project Director of NIH grant, Breastfeeding Services. University of Pennsylvania School of Nursing and clinical site at Thomas Jefferson University Hospital

October 1986-1989 Liaison Infant Family Team, Team Coordinator: Working with the handicapped Children's Early Intervention Program Demonstration Project, directed at providing continuity of care to severely disabled infants leaving the intensive care nursery environment. Based from Temple University School of Special Education; Ken Thurman PhD., Project Director.

September 1987-1995 Lecturer, University of Pennsylvania School of Nursing Perinatal Neonatal Nursing Graduate program.

### **Clinical Experience:**

August 2003-Present Neonatal Nurse Practitioner Thomas Jefferson University Hospital, DuPont Hospital for Children, Nemours Foundation, Philadelphia, Pennsylvania

October 1991–2003: Neonatal Nurse Practitioner Thomas Jefferson University Hospital, DuPont Hospital for Children, Nemours Foundation, Philadelphia, Pennsylvania

July 1989-1991 Neonatal Nurse Practitioner Osteopathic Medical Center, City Line Ave, Philadelphia, Pennsylvania

August 1986-1989 Pool Nurse PICU Einstein Medical Center Philadelphia, Pennsylvania  
Pool Nurse ICN Thomas Jefferson University Hospital Philadelphia, Pennsylvania  
Pool Nurse Home Care Agency for Children. Cared for children and infant in their homes with technology in the home: ventilator, tube feedings. Home care was done in New Jersey.

December 1982–1986	<p>Saint Christopher's Hospital for Children, Philadelphia, Pennsylvania Head Nurse Neonatal Intensive Care Unit (NICU): Managed a 17- bed NICU at a tertiary Children Hospital: Coordinate the expansion from a 13-bed capacity to a 17 bed unit. Responsible for budgeting, evaluation of a 70 RN and LPN unit. Hired and evaluated new nursing staff. Developed, coordinated and taught in a 12-week orientation for new nursing staff. 1982-1986.</p> <p>Nurse Representative, Chaplaincy Committee - Saint Christopher's Hospital for Children, 1983-1985.</p> <p>Co-Chairperson of the NICU reunion committee - Saint Christopher's Hospital for Children. 1985 -1986.</p> <p>Nurse representative, Infant Ethics Committee Saint Christopher's Hospital for Children. 1985-1986:</p> <p>Faculty member for the NICU parent Support Group, Saint Christopher's Hospital for Children. 1985 -1986.</p>
September 1980-1982	<p>Clinical Instructor HEW funded Neonatology Nursing December 1982 Course at St. Christopher's' Hospital for Children: "<i>Comprehensive Nursing Care of the Neonate</i>" proved a multidisciplinary approach toward expanding neonatal nursing expertise.</p>
September 1980–1982	P.R.N. Staff Nurse: St Christopher's Hospital for Children
July 1977-1980	Assistant Head Nurse: Saint Christopher's Hospital for Children
July 1975-1977	Staff Nurse: Saint Christopher's Hospital for Children NICU.

### **LICENCURE AND CERTIFICATION**

Pennsylvania License: RN & NNP  
 New Jersey License: RN  
 NCC June 2006: NNP-BC Neonatal Nurse Practitioner

### **HONORS AND AWARDS**

2006	March of Dimes New Jersey, Not Your Average Joe Educator Nursing Award
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## **RESEARCH**

### **Research Grants:**

July 2008 Co-PI Ksenia Zukowsky PhD, APRN, NNP-BC & Kevin Dysart, MD: Interdisciplinary Neonatal Resuscitation Program (NRP) Training with Neonatal Health Care Professionals Using SimBaby. Funded: \$2,342.00, Jefferson School of Nursing, Jefferson College of Health Professions, Thomas Jefferson University

### **Program Grants:**

June 2007-2010 Co-Investigator, DHHS HRSA Bureau of Health Professions "Promoting Health Access: Online Graduate Programs for Rural Underserved Communities." 1-D09-HP-08336-01-00, Dr. Beth Ann Swan PI, \$1,284,529.

July 2004-2007 Project Director: HIRSA Grant:" Neonatal Education Consortium." D09HP02746-02-00, Dr. Mary Bowen PI, \$650,000.

July 1995-1999 Project Director NIH funded "Breastfeeding Services for LBW Infants—Outcomes and Costs." NR-03881, Dr. Linda Brown, PI.

Oct 1986-1989 Team Coordinator: Liaison Infant Family Team: HEPCEP Demonstration project. Working with the handicapped Children's Early Intervention Program Demonstration Project. The program provided continuity of care to severely disabled. Infants leaving the intensive care nursery environment. Based from Temple University School of Special Education; Dr. Ken Thurman. PI.

## **NON FUNDED RESEARCH**

2007-2008 NNP Workforce Research Team: Group of neonatal nurse practitioner faculty who executed a National survey to assess the adequacy and characteristics of the U.S. neonatal nurse practitioner (NNP) workforce.

1997-2002 Breast – fed Low Birth Weight Premature Infants: A Description of Nutritional Intake and Growth and Development in the First Six Months of Life 1997-2000. Dissertation research.

## **PUBLICATIONS**

### **Articles:** Peer review Journals

Cusson, R, Frank, M., Flanagan, V., Miller, S. Zukowsky, K., Rasmussen, L. ( 2008) A survey of the current neonatal nurse practitioner workforce, *Journal of Perinatology* accepted in press.

Zukowsky, K. (2007). Breast-fed Low- birth-weight Premature Neonate: developmental Assessment and Nutritional Intake in the First 6 months of Life. *Journal Perinatal Neonatal Nurses*, vol 21, no 3 242-249.

Zukowsky, K. (2007). Breast-fed Low Birth Weight Premature Infants: A description of nutritional intake in the first six months of life. *Newborn and Infant Nursing Reviews*, vol 7 no 3 p 161-166.

Brown, L. Meier, P., Spitzer, A., Finkler, A., Jacobsen, B., Spatz, D., Zukowsky, K., (1997). Resubmitting a grant application: Breastfeeding services for LBW infants-Outcomes and Cost. *Nursing Research*. 46 (2):119-22, Mar-Apr

Antunes, M., Greenspan, J., Zukowsky, K., (1996). Advance Ventilation of the Neonate. *Nursing Clinics of North America* 31 (2) 405-22.

Brown, L., Meier, P., Spatz, D., Zukowsky, K., & Spitzer, A. (1996) Use of Human Milk for low birth weight infants. *The Online Journal of Knowledge Synthesis for Nursing*. Vol. 3, Document 3, Number 27.

Zukowsky, K., Greenspan, J., Cullen, J., Antunes, M., Spitzer, A. (1994) Pulmonary Function Testing in the Critically Ill Neonate-Case Presentation. *Neonatal Network* 13(4):31-5.

Greenspan, J., Cullen, J., Zukowsky, K., Antunes, M., Spitzer, A. (1994) Pulmonary Function Testing in the Critically Ill Neonate-Overview. *Neonatal Network* 13(4):31-5.

Cullen, J., Greenspan, J., Antunes, M., Zukowsky, K., Spitzer, A. (1994) Pulmonary Function Testing in the Critically Ill Neonate-Overview. *Neonatal Network* 13(1):9-15

Zukowsky, K., Coburn, C., (1991). Neonatal Nurse Practitioners: Who Are They? *JOGNN*. 20 (2). 128-132.

- Gennaro, S., Zukowsky, K., Brooten, D., (1990). Concern of Mothers of LBW Infants *Pediatric Nursing*, vol.16 p. 459-462.
- Medoff-Cooper, B., Weinger, S., Zukowsky, K. (1988). Neonatal sucking as a clinical assessment tool: Preliminary findings. *Nursing Research* 38(3). 162-165.
- Zukowsky, K., Dulczak, S. (1982). Maintaining the infant's skin integrity. *Critical Care Nurse*. 2(4) 53.

## **Books- Dissertation**

*Breast – fed Low Birth Weight Premature Infants: A Description of Nutritional Intake and Growth and Development in the First Six Months of Life* (2002). New York University Press.

## **Book Chapters**

Zukowsky, K. (2004). Respiratory Distress, In *Core Curriculum for Neonatal Intensive Care Nursing*, Chapter 23 Edited M. T. Verlan & M. Walden 3<sup>rd</sup> Edition, Elsevier Saunders, St. Louis, Missouri. pp 487 523.

Zukowsky, K., Smith, J., Christoff, B. (1993) Hyperbilirubinemia Chapter 38. *Core Curriculum for Maternal-Newborn Nursing*. Saunders: Philadelphia, PA. pp.703-711.

Christoff, B., Zukowsky, K. (1993) Infant of a Diabetic Mother. Chapter 41. *Core Curriculum for Maternal-Newborn Nursing*. Saunders: Philadelphia, PA. pp.736-743.

Smith, J., Christoff, B., Zukowsky, K. (1993) Congenital Abnormalities. Chapter 42. *Core Curriculum for Maternal-Newborn Nursing*. Saunders: Philadelphia, PA.

Mattson, S., Christoff, B., Zukowsky, K. Risks Associated with Gestational Age and Birth Weight, Chapter 36. *Core Curriculum for Maternal-Newborn Nursing*. Saunders, Philadelphia, PA. pp.659-681.

Zukowsky, K., (1989). Nutrition and Fluid Management. *AACN/Medi Sims Critical Care Nursing Simulations*. Medi Sims, INC.

## **Audio/Visual Productions**

Zukowsky, K. Rials, G. (1993). Gestational Age Assessment: vol 3, no.1. *Care of the Neonate* Wyeth-Ayerst International, Inc. Philadelphia, PA.

Zukowsky, K. (1991). Neonatal Resuscitation. vol 2, no.1. 1989. Special Problems of the low birth weight infant. vol.1. no. 1 vol.1 no.2. *Care of the Neonate* Wyeth-Ayerst International, Inc. Philadelphia, PA.

## **MAJOR SPEECHES AND PRESENTATIONS**

### **Peer Reviewed Accepted Presentations**

Cusson, R., Buus-Frank, M. E. Flanagan, V., Miller, S.; Zukowsky, K.; Rasmussen, L. (2008, October), The U.S. Neonatal nurse practitioner workforce is there a mismatch between supply and demand. The Council for the Advancement of Nursing Science Abstract Review Committee for the 2008 National State of the Science Congress in Nursing Poster presentation, Washington, DC. (Abstract accepted for presentation).

Zukowsky, K., Swan, B.A., Frisby, A.J., Lauver, L., West, M.M., Powell, M., & Marsella, A. (2008, September). Promoting health access: Online graduate programs for rural underserved communities. Paper to be presented at the 24<sup>th</sup> annual education conference of the National Association of Neonatal Nurses, Fort Lauderdale, FL. (Abstract accepted for presentation).

Swan, B.A., Frisby, A.J., Powell, M., Zukowsky, K., Lauver, L., West, M.M., & Marsella, A. (2008, July). Building a critical mass of masters and doctorally prepared advanced practice nurses in rural communities. 19<sup>th</sup> International Nursing Research Congress Focusing on Evidence-Based Practice, Sigma Theta Tau International, Singapore. (Abstract accepted for presentation).

Frisby, A.J., Lauver, L., Bellot, J., Powell, M., Swan, B.A., West, M.M., & Zukowsky, K. (June, 2008). Bridging the classroom and distance learning environments. Poster to be presented at the 26<sup>th</sup> Annual International Nursing Computer/Technology Conference, Las Vegas, NV. (Abstract accepted for presentation)

Swan, B.A., Frisby, A.J., Lauver, L., West, M.M., Powell, M., Zukowsky, K., & Marsella, A. (2008, April). Implementing a practice doctorate program at a distance through an urban-rural partnership. 34<sup>th</sup> Annual meeting of the National Organization for Nurse Practitioner Faculties, Louisville, KY. Poster presentation.

Zukowsky, K., Swan, B.A., Powell, M., Lauver, L., West, M., Frisby, A.J., & Marsella, A. (2008, February). Implementing a graduate nursing program at a distance through an urban-rural partnership. American Association of Colleges of Nursing (AACN) Master's Education Conference, Newport Beach, CA. Poster presentation.

Swan, B.A., Zukowsky, K., West, M.M., Frisby, A.J., Powell, M., Lauver, L., & Marsella, A. (2008, February). Advanced education nursing in rural communities. All Programs Meeting, Health Resources and Services Administration, Bureau of Health Professions (BHP), Washington, D.C. Poster presentation.

Bowen, M. & Zukowsky, K. (2007, November) Interdisciplinary Education: Evidence Based Simulation Training in Neonatal Resuscitation for Neonatal Nurse Practitioner (NNP) Students. 8<sup>th</sup> Annual Interdisciplinary Research Conference Transforming Healthcare through Research, Education and Technology. School of Nursing and Midwifery Trinity College Dublin. Oral presentation. November 7<sup>th</sup> 2007.

Bowen, M., & Zukowsky, K., (2007, November). Outcomes of Neonatal Education Consortium: A Tri State Collaborative Education Model for NNP'S. 39<sup>th</sup> Biennial Convention Sigma Theta Tau International, November 3-7, 2007. Baltimore, Maryland. Oral Presentation. November 3, 2007.

Bowen, M., & Zukowsky, K., (2007, July) Simulation Technology Training in Neonatal Resuscitation. SITTI 18<sup>th</sup> International Nursing Research Congress-Evidence Base Practice. Evidence Based Transdisciplinary. Oral Presentation. July 13, 2007.

Bowen, M., & Zukowsky, K., (2007, April). Evolution of Interdisciplinary Education: Evidence Based Simulation Training in Neonatal Resuscitation for Neonatal Nurse Practitioner Students. NONPF 33<sup>rd</sup> Annual Meeting Moving Mountains Denver, CO. Oral Presentation. April 14, 2007.

Elkind, E. Zukowsky, K. ( 2006, July). Collaborative Neonatal & Pediatric Nurse Practitioner Online Pharmacology Course. 17<sup>th</sup> International Nursing Research Congress – Symposia: Fourth International Evidence-Based Nursing Pre-conference and 17<sup>th</sup> International, Nursing Research Congress Montréal, Canada. Oral Presentation. July 22, 2006.

Bowen, M., & Zukowsky, K., (2006, April). Practice, Research, & Advocacy Collaborative Neonatal & Pediatric Nurse Practitioner Online Pharmacology Course. NONPF 32<sup>nd</sup> Annual Meeting, Dimensions of the NP Kaleidoscope: Education, Poster presentation. Friday, April 21, 2006.

Bowen, M., & Zukowsky, K. (2005, November) A Model of Advance Practice Education; an Academic Collaboration: Neonatal Education Consortium (NEC). 38<sup>th</sup> Biennial Convention - Leadership Sessions. Oral Presentation, November 15, 2005.



Bowen, M., & Zukowsky, K. (2005, July). Neonatal Education Consortium (NEC): a Collaborative Education: Neonatal Model. 16<sup>th</sup> International Evidence-Based Nursing the International Nursing Research Congress. Oral Presentation, July, 15, 2005.

Bowen, M., & Zukowsky, K., (2005, April). Neonatal Education consortium: An Innovative Tri state Collaborative Education Model for NNP's Sigma Theta Tau Delta Rho. Poster presentation. April 20, 2005.

Bowen, M., & Zukowsky, K., (2005) NONPf 31<sup>st</sup> Annual Meeting: Poster. Neonatal Education consortium: An Innovative Tri state Collaborative Education Model for NNP's. Poster presentation. April 14-17, 2005.

Zukowsky, K. (2005, November) Breast-fed Low Birth Weight Premature Infants: A Description of Nutritional Intake and growth and Development in the First Six Months of Life. 37<sup>th</sup> Biennial Convention Sigma Theta Tau International, November 1-5, 2003. Toronto, Canada. Scientific Session. Oral Presentation.

Zukowsky, K. (2003, May). Breast-fed Low Birth Weight Premature Infants: A Description of Nutritional Intake and growth and Development in the First Six Months of Life. Pediatric Academic Societies' Annual Meeting: Seattle, Washington. Poster presentation: May 2-6 2003.

Zukowsky, K. Cullen J. (1995, July). Low birth weight infant growth of AWHONN National Meeting. AWHONN, Los Angeles California. Poster presentation. Poster presentation.

Zukowsky, K. Cullen, J. (1994, July). Effects of Saline Lavage Before Suctioning on Oxygenation and the Pulmonary Function of Neonates. Oral Presentation.

Gennaro, S. & Zukowsky, K. (1989, Nov). Concerns of Mothers of Low birth weight Infants to six months. Sigma Theta Tau International Honor Society of Nursing: Scientific Session 30<sup>th</sup> Biennial Convention, Indianapolis. Oral Presentation. Nov. 13-14.

### **INVITED PRESENTATIONS:**

Zukowsky, K. ( 2006). How Can we Attract Neonatal Nurses in the NNP Role: Recruitment Strategies. 9<sup>th</sup> Annual Neonatal Advance Practice Forum: Washington DC.. Oral Presentation, May 31, 2006

Zukowsky, K. & Kelly, M., (2005). Premature Baby Basics: Transition of the Premature Infant to Primary Care, 21<sup>st</sup> annual Pediatric Nursing Essential Competence, Collaboration Compassion Philadelphia, Pennsylvania, Oral presentation, September 17, 2005

Zukowsky, K. (2002). The Neonatal Nurse Practitioner, Care of the Neonate Conference: St. Christopher's Hospital for Children, Oral Presentation.

Zukowsky, K. (2001). Taking Care of Babies and Families from the Delivery Room to the Home. Neonatal Update: Montgomery County Early Intervention Unit. Norristown,

Zukowsky, K. (1999). Neonatal Resuscitation: Oral Presentation Family Practice Resident, Thomas Jefferson University Hospital, Philadelphia, Pennsylvania. Oral Presentation.

Zukowsky, K. (1999). Advances in Neonatal Development and Outcomes, AWHONN New Jersey Division. West Jersey Hospital. Oral Presentation.

Zukowsky, K. (1996). Role of the Advance Practice Nurse, Preston, England. University of Central Lancashire.

Zukowsky, K. (1995). The Compromised Neonate, Montgomery County Hospital, Montgomery, Pennsylvania.

Zukowsky, K. (1993) Nutritional Options for the Premature Infant: Liquid Ventilation for the Critically Ill Neonate. AWHONN District IV Atlanta, Georgia.

Zukowsky, K. (1991) Care the Very Low Birth Weight Infant/workshop. NAACOG Conference, Capture the Magic, Orlando Florida.

Zukowsky, K. (1990) New Trends/ Issues in Neonatal Pulmonary Care, MCN Conference, The 1990 Dawn of a New Decade: Kissimmee, Florida.

Zukowsky, K. (1993). Techniques for Implementing Family Centered Care in Neonatal Intensive Care Units, Association for the Care of Children's Health 25<sup>th</sup> Annual Conference, Washington D. C.

Zukowsky, K, (1993). MCP Review Course for the RNC, New York Hospital, New York, New York.

Zukowsky, K , (1989). Resuscitation and Stabilization of the Micropreme. Frontiers in the Care of the Neonate 2<sup>nd</sup> Annual conference, Philadelphia, Pennsylvania.

Zukowsky, K (1989). Medical and Nursing Care of the Handicapped Infant Personnel Related Service Project: Medical and Nursing Care of the Handicapped Infant. Spring session 1989. Temple University.

Zukowsky, K. (1986). Nursing Care of the Surgical Infant, Trends, MCP Continuing Education. Philadelphia, Pennsylvania.

### **UNIVERSITY SERVICE**

2006-Present	Chair, Faculty Research and Professional Affairs Committee, Jefferson School of Nursing.
2007-Present	Curriculum Committee, Jefferson School of Nursing.
2006-Present	Nursing Executive Council, Jefferson School of Nursing
2006-Present	Nursing Executive Committee, Jefferson University Hospital
2005-2006	Academic Affairs Committee, Department of Nursing, Jefferson University

### **PROFESSIONAL SERVICE**

National Organization of Nurse Practitioner Faculty (NONPF)  
Committee Member, 2007-Present Member Resources

March of Dimes New Jersey Reality Awards  
Committee Member: 2007-Present

March of Dimes New Jersey Professional Education Conference Planning  
Committee member: 2007-Present

Philadelphia Perinatal Society  
Treasurer, 2005-Present

March of Dimes New Jersey Prematurity Campaign  
Committee Member: 2005-Present

### **COMMUNITY SERVICE**

Volunteer: 2000-Present Living Beyond Breast Cancer

### **MEMBERSHIP AND PARTICIPATION IN PROFESSIONAL ORGANIZATIONS**

Philadelphia Perinatal Society. Treasurer (PPS)  
Member, Sigma Theta Tau International, Delta Rho Chapter (STTI)  
Member, Association of Women's Health Obstetric &  
Neonatal Nurses (AWHONN)

Member, National Association of Neonatal Nurses (NANN)  
Member, National Association of Neonatal Nurse Practitioners (NANNP)  
Member, Delaware Valley Association of Neonatal Nurses (DVANN)

### **CONSULTATION**

November 2003

Consultant, Department Nursing, NICU  
Barbara Bush Children's Hospital, Portland, Maine  
Department of Nursing - NICU

September 1999

Consultant, Montgomery County Early Intervention Services

October 1996

Consultant, Breast feeding and Cup feeding the Low birth weight infant  
Preston, England University of Central Lancashire.

January 1986- 1989

Consultant, Wyeth International Nutritional Services development of slide  
tape audio format educational programs for nurses in foreign countries.  
Nursing Care of the Neonate: Care of the Low birth weight infant:  
Neonatal Resuscitation: Gestational Age Assessment.

April - 1986-1990

Consultant, Southern New Jersey Perinatal Cooperative: Coordination of  
Neonatal Resuscitation Program

### **TEACHING:**

#### **Fall 2003**

**Nu 662:** Diagnostic Reasoning and Clinical Decision Making for Neonatal Nurse  
Practitioner Nurse I

**Nu 665:** Comprehensive Assessment for Clinical Decision Making of the Mother  
and the Neonate

**Nu 666:** Advanced Pharmacotherapeutics for Neonatal Nurse Practitioners

#### **Spring 2004**

**Nu 663:** Diagnostic Reasoning and Clinical Decision Making for Neonatal Nurse  
Practitioner Nurse I.

#### **Summer 2004**

**Nu 664:** Diagnostic Reasoning and Clinical Decision Making for Neonatal Nurse  
Practitioner Nurse III.

**Fall 2004**

**Nu 662:** Diagnostic Reasoning and Clinical Decision Making for Neonatal Nurse Practitioner Nurse I

**Spring 2005**

**Nu 663:** Diagnostic Reasoning and Clinical Decision Making for Neonatal Nurse Practitioner Nurse II

**Summer 2005**

**Nu 664:** Diagnostic Reasoning and Clinical Decision Making for Neonatal Nurse Practitioner Nurse III

**Summer 2005**

**Nu 666:** Advanced Pharmacotherapeutics for Neonatal Nurse Practitioners

**Nu 665:** Comprehensive Assessment for Clinical Decision Making of the Mother and the Neonate

**Fall 2005**

**Nu 663:** Diagnostic Reasoning and Clinical Decision Making for Neonatal Nurse Practitioner Nurse II

**NU 666:** Advanced Pharmacotherapeutics for Neonatal Nurse Practitioners

**Spring 2006**

**Nu 663:** Diagnostic Reasoning and Clinical Decision Making for Neonatal Nurse Practitioner Nurse II

**Summer 2006**

**Nu 664:** Diagnostic Reasoning and Clinical Decision Making for Neonatal Nurse Practitioner Nurse III

**Nu 666:** Advanced Pharmacotherapeutics for Neonatal Nurse Practitioners

**Nu 665:** Comprehensive Assessment for Clinical Decision Making of the Mother and the Neonate

**Fall 2006**

**Nu 662:** Diagnostic Reasoning and Clinical Decision Making for Neonatal Nurse Practitioner Nurse III

**NU 666:** Advanced Pharmacotherapeutics for Neonatal Nurse Practitioners

**Nu 640:** Diagnostic Reasoning and Clinical Decision Making for Pediatric Advanced Practice Nurse I

**Spring 2007**

**Nu 663:** Diagnostic Reasoning and Clinical Decision Making for Neonatal Nurse Practitioner Nurse II

**NU 665:** Comprehensive Assessment for Clinical Decision Making of the Mother and the Neonate

**Summer 2007**

**Nu 664:** Diagnostic Reasoning and Clinical Decision Making for Neonatal Nurse Practitioner Nurse III

**Nu 666:** Advanced Pharmacotherapeutics for Neonatal Nurse Practitioners

**Nu 665:** Comprehensive Assessment for Clinical Decision Making of the Mother and the Neonate

**Nu 642:** Diagnostic Reasoning and Clinical Decision Making for Pediatric Advanced Practice Nurse III

**Fall 2007**

**Nu 701:** Scientific Underpinnings for Nursing Practice

**Nu 662:** Diagnostic Reasoning and Clinical Decision Making for Neonatal Nurse Practitioner Nurse I

**Nu 667:** Advanced Pharmacotherapeutics for Neonatal Nurse Practitioners

**Spring 2008**

**Nu 665:** Comprehensive Assessment for Clinical Decision Making of the Mother and the Neonate

**Nu 663:** Diagnostic Reasoning and Clinical Decision Making for Neonatal Nurse Practitioner Nurse II

**Summer 2008**

**Nu 665:** Comprehensive Assessment for Clinical Decision Making of the Mother and the Neonate

**Nu 667:** Advanced Pharmacotherapeutics for Neonatal Nurse Practitioners

**Nu 664:** Diagnostic Reasoning and Clinical Decision Making for Neonatal Nurse Practitioner Nurse II

**Fall 2008**

**Nu 662:** Diagnostic Reasoning and Clinical Decision Making for Neonatal Nurse Practitioner Nurse I.

**Nu 667:** Advanced Pharmacotherapeutics for Neonatal Nurse Practitioners

**Nu 701:** Scientific Underpinnings for Nursing Practice

**Curriculum Development**

**Summer of 2003-spring 2004**

**Nu 662:** Diagnostic Reasoning and Clinical Decision Making for Neonatal Nurse Practitioner Nurse I

**Nu 663** Diagnostic Reasoning and Clinical Decision Making for Neonatal Nurse Practitioner Nurse II

**Nu 664:** Diagnostic Reasoning and Clinical Decision Making for Neonatal Nurse Practitioner Nurse III

**Nu 665:** Comprehensive Assessment for Clinical Decision Making of the Mother and the Neonate

**Nu 666 (now Nu 667):** Advanced Pharmacotherapeutics for Neonatal Nurse Practitioners