

# College of Nursing and Health Innovation

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CONHI Website

## Mission and Vision

The College of Nursing and Health Innovation is an integral component of The University of Texas at Arlington and subscribes to the mission of the University.

The **mission** of the College of Nursing and Health Innovation is to advance global health and the human condition through transdisciplinary collaboration by engaging in high quality teaching, research, scholarship, practice and service to prepare a diverse population of health professionals and to reduce health disparities. The **vision** of the College of Nursing and Health Innovation is to provide innovative, exceptional education through research and practice to advance health and the human condition globally.

The academic programs in Undergraduate Nursing, Graduate Nursing, and Kinesiology prepare individuals for professional roles in health care, health sciences, and health-related professions. In addition, these programs prepare individuals for collaboration with other professionals and consumers in the delivery of holistic health care, health-related research, exercise science and advocacy for the improvement of health outcomes.

## History and Overview

The UT Arlington College of Nursing was established in 1971 as the U.T. System College of Nursing in Fort Worth and was housed in John Peter Smith Hospital. The first baccalaureate class enrolled in fall of 1972; the graduate program (MSN) began in 1975. In 1976, the school became an academic unit of UT Arlington, moving to the campus in 1977. Degree program offerings continued to expand to include a PhD in Nursing in fall 2003. In fall of 2014, the Department of Kinesiology was combined with the College of Nursing to create the College of Nursing and Health Innovation. Before joining with the College of Nursing, the department of Kinesiology was a department in the College of Education and Health Sciences at UTA.

The Undergraduate Nursing Department consists of the BSN and the RN to BSN programs. In addition to the Arlington campus, these programs are offered online through the UT Arlington Academic Partnership program.

The Graduate Nursing Department offers a Master of Science in Nursing (MSN) with preparation as a nurse practitioner in the population areas of Adult-Gerontology Acute Care, Adult Gerontology Primary Care (previously Adult and Gerontology), Family, Neonatal, Acute Care Pediatric, Primary Care Pediatric and Psychiatric-Mental Health. Post-master's certificates are available in all the above nurse practitioner specialties. In addition, the UT Arlington MSN Program offers preparation in Nursing Administration, Nursing Education, Family Nurse Practitioner, Adult Gerontology Primary and Acute Care Nurse Practitioner, and Pediatric Primary and Acute Care Nurse Practitioner options in an online accelerated format. An RN to MSN option is also available in an accelerated online format in Nursing Education, Nursing Administration and Family Nurse Practitioner. Post baccalaureate certificates are offered in Nursing Administration, Nursing Education, and Health Informatics. Post Master's Certificates options are available in all Nurse Practitioner tracks and in Nursing Administration. Many of the Post Master's Certificates are also available in the accelerated online format. The PhD in Nursing was approved in April 2003 with classes beginning in Fall 2003. A BSN-to-PhD entry option was approved in 2005, with classes beginning in Fall 2006. The Doctor of Nursing Practice (DNP) began in Fall 2009.

The undergraduate programs within the Department of Kinesiology are organized into four areas: exercise science, physical education teacher education, sports leadership & management and public health. The graduate programs include a Graduate Certificate in Public Health, a Master of Science in Exercise Science, a Master of Science in Athletic Training and a PhD in Kinesiology. Each of these academic programs provide students with a strong foundation in the sciences of their respective fields and provides a comprehensive discipline-specific program of study designed to prepare students for a specific career path. Some of the degree options work towards meeting the prerequisite requirements for admission to physical therapy, occupational therapy and physician's assistant graduate programs, as well as medical and dental schools (e.g., BS in Exercise Science - Clinical Health Professions). Other degree plans prepare students for state and national certification/licensure (e.g., Physical Education Teacher Education and Athletic Training) programs. The Public Health programs prepare students for careers in public health, as well as preparation for advanced degrees in public health. The PhD in Kinesiology prepares students for careers in research, academic and related industry settings.

## Accreditation

The baccalaureate degree program in nursing, master's degree program in nursing, Doctor of Nursing Practice program, and post-graduate APRN certificate program at The University of Texas at Arlington is accredited by the Commission on Collegiate Nursing Education, 655 K Street NW, Suite 750, Washington, DC 20001, 202-887-6791.

The Kinesiology Athletic Training Program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). CAATE ensures that accredited institutions and education programs that offer athletic training meet the rigorous standards for professional athletic training education and encourages continuous enhancement in the quality of preparing athletic trainers.

## Research Interests of Faculty

The research programs of the College of Nursing and Health Innovation faculty are diverse. A sampling of their areas of study includes oncology, health disparities, leadership in nursing education, technology in the care of older adults, simulation and technology in health professional education, exercise interventions to mitigate heart disease, inter-professional collaborations education, statistical models, gerontology, bone and muscle disease and heart disease. Other faculty research interests include adapted sports, sports pedagogy, applied biomechanics, motor development, cardiovascular physiology, autonomic function, environmental physiology, cardiac function, pulmonary responses to exercise, postural control in the elderly, dynamic regulation of blood pressure, assessment and management of sports-related concussions, the effects of therapeutic modalities on the treatment of athletic injuries, and the effects of hyperbaric oxygen on the treatment of diseases.

## Special

### Smart Hospital™

Assistant Dean: Jennifer Royce

The Smart Hospital™ is a simulated hospital environment complete with state-of-the-science equipment and furnishings. In this facility, students interact with and provide care to a full array of simulated patients who occupy the Emergency Department, ICU, Labor and Delivery suite, pediatric unit, Neonatal ICU, adult medical/surgical beds and the resuscitation room for large team training. Students learn utilizing simulation technology including full body interactive patient simulators, computerized scenario-based programs and individual trainers for specific skills.

The "patients" who populate our Smart Hospital are life-sized computerized manikins that actually interact with the learners. Patients include infants, children, adults, and even a mother in labor who goes through the labor process and delivers a newborn. Some manikins are static but others are interactive and responsive—they can speak and breathe, have heart sounds and lung sounds, and can progress through the various stages of numerous clinical states from birth through death. In addition, we have specially trained actors who can serve as patients or family members in clinical teaching scenes. In each clinical scenario, the students are exposed to situations and changes in patient conditions, both subtle and obvious, that they will experience in actual practice. With repeated exposure to these situations, students develop a deeper understanding of clinical conditions and become more adept at critical and clinical thinking. With this foundation, our students move more quickly from novice to expert and in so doing enhance the quality of patient care they provide.

### Center for Research and Scholarship

Associate Dean: Dr. Paul J. Fadel

Scholarship is an essential component of the professional role in the College of Nursing. The Center provides support services to faculty and students: identifying funding sources; developing competitive proposals; writing grant applications; retrieving literature; collecting, entering and analyzing data; and disseminating research results and other scholarly products. Collaborative relationships for research with Metroplex health care agencies are in place.

### Center for Hispanic Studies in Nursing and Health

The Center is dedicated to fostering an understanding between health care professionals and people of Hispanic origin for the purpose of increasing understanding of health and healing through research of individual experience, cultural meanings, and the structure of institutions as important variables influencing health outcomes. The Center is also committed to the provision of educational programs and services which will assist health care providers to gain the necessary knowledge and skills to deliver increasingly culturally sensitive and competent care. The Center promotes interdisciplinary and interuniversity collaboration as a strategy for development of resources to solve or deal with bi-cultural issues facing health care professionals.

### Rural Health Outreach Program

The purpose of the Center is to provide appropriate, affordable, accessible continuing education to the nursing staffs of acute care and psychiatric hospitals, long term care facilities, home health agencies, and other health care facilities in the rural communities of North Central Texas.

### Center for Healthy Living and Longevity

Associate Dean: Dr. David Keller

The Department of Kinesiology's Center for Healthy Living and Longevity provides a multidisciplinary approach to improving health throughout the lifespan. Research and education initiatives focus on keeping older adults active, decreasing the incidence of sedentary-related diseases (diabetes, cardiovascular disease, osteoporosis, obesity, etc.), and the assessment and management of concussions. Contact: Dr. David Keller, [kellerd@uta.edu](mailto:kellerd@uta.edu).

## Programs

### BACHELOR'S DEGREES

- Bachelor of Arts in Kinesiology (Sport Leadership and Management) (<http://catalog.uta.edu/archives/2023-2024/nursing/kinesiology/undergraduate/>)
- Bachelor of Arts in Physical Education Teacher Education (PETE) (<http://catalog.uta.edu/archives/2023-2024/nursing/kinesiology/undergraduate/>)

- Bachelor of Science in Exercise Science - Clinical Health Professions (CHP) (<http://catalog.uta.edu/archives/2023-2024/nursing/kinesiology/undergraduate/>)
- Bachelor of Science in Exercise Science - Fitness/Wellness (F/W) (<http://catalog.uta.edu/archives/2023-2024/nursing/kinesiology/undergraduate/>)
- Bachelor of Science in Nursing, B.S.N. (<http://catalog.uta.edu/archives/2023-2024/nursing/undergraduate/>)
- Bachelor of Science in Public Health (<http://catalog.uta.edu/archives/2023-2024/nursing/kinesiology/undergraduate/#bachelorstext>)

## MASTER'S DEGREES

- Master of Science in Athletic Training (<http://catalog.uta.edu/archives/2023-2024/nursing/kinesiology/graduate/>)
- Master of Science in Exercise Science (<http://catalog.uta.edu/archives/2023-2024/nursing/kinesiology/graduate/>)
- Master of Public Health (<http://catalog.uta.edu/archives/2023-2024/nursing/kinesiology/graduate/#text>)
- Master of Science in Nursing - Administration, M.S.N. (<http://catalog.uta.edu/archives/2023-2024/nursing/graduate/#masterstext>)
- Master of Science in Nursing - Education, M.S.N. (<http://catalog.uta.edu/archives/2023-2024/nursing/graduate/#masterstext>)
- Master of Science in Nursing - Nurse Practitioner, M.S.N. (<http://catalog.uta.edu/archives/2023-2024/nursing/graduate/#masterstext>)

## DOCTORAL DEGREES

- Doctor of Nursing Practice, D.N.P. (<http://catalog.uta.edu/archives/2023-2024/nursing/graduate/#dnptext>)
- PhD in Nursing (<http://catalog.uta.edu/archives/2023-2024/nursing/graduate/#doctoralstext>)
- PhD in Kinesiology (<http://catalog.uta.edu/archives/2023-2024/nursing/kinesiology/graduate/#text>)

## CERTIFICATES

- Gerontology Healthcare Certificate (<http://catalog.uta.edu/archives/2023-2024/nursing/graduate/#certificatestext>)
- Nurse Educator Certificate (<http://catalog.uta.edu/archives/2023-2024/nursing/graduate/#certificatestext>)
- Nurse Practitioner, Acute Care Pediatric (<http://catalog.uta.edu/archives/2023-2024/nursing/graduate/#certificatestext>)
- Nurse Practitioner, Adult Gerontology Acute Care (<http://catalog.uta.edu/archives/2023-2024/nursing/graduate/#certificatestext>)
- Nurse Practitioner, Adult Gerontology Primary Care (<http://catalog.uta.edu/archives/2023-2024/nursing/graduate/#certificatestext>)
- Nurse Practitioner, Family (<http://catalog.uta.edu/archives/2023-2024/nursing/graduate/#certificatestext>)
- Nurse Practitioner, Neonatal (<http://catalog.uta.edu/archives/2023-2024/nursing/graduate/#certificatestext>)
- Nurse Practitioner, Primary Care Pediatric (<http://catalog.uta.edu/archives/2023-2024/nursing/graduate/#certificatestext>)
- Nurse Practitioner, Family Psychiatric/Mental Health (<http://catalog.uta.edu/archives/2023-2024/nursing/graduate/#certificatestext>)
- Graduate Certificate of Public Health Studies (<http://catalog.uta.edu/archives/2023-2024/nursing/kinesiology/graduate/#certificatestext>)
- Telehealth and Health Informatics (<http://catalog.uta.edu/archives/2023-2024/nursing/undergraduate/#certificatestext>)
- Health Informatics Certificate (<https://catalog.uta.edu/nursing/graduate/#certificatestext>)

Elizabeth Merwin, PhD, RN, FAAN  
Dean & Professor

Kathryn Daniel, PhD, RN, A/GNP-BC, GS-C, AGSF, FAAN  
Associate Dean, Academic Affairs, Nursing & Associate Professor

Paul Fadel, PhD  
Associate Dean, Research & Professor

David Keller, PhD  
Associate Dean & Chair, Kinesiology & Professor

Kimberly A. Siniscalchi, DNP, RN, FAAN  
Professor of Practice

Candice Calhoun-Butts, PhD  
Assistant Dean, Enrollment and Student Services

Beth Lucy-Speidel, MA, MS  
Associate Dean, Administrative Affairs

Ann Eckhardt, PhD, RN  
Interim Chair, Graduate Nursing & Assistant Clinical Professor

Jeanne Boyd, DNP, RN  
Chair, Undergraduate Nursing & Assistant Clinical Professor

For a comprehensive list of faculty and staff in the College of Nursing in Health Innovation, visit the [College of Nursing and Health Innovation Directory](https://www.uta.edu/conhi/people/) (<https://www.uta.edu/conhi/people/>).

## COURSES

### **NURS-EL 3300. COOPERATIVE NURSING WORK EXPERIENCE. 3 Hours.**

Designed for nursing cooperative education students to integrate classroom study with career-related practical experience in the workplace. Must earn a C or better to earn credit. Prerequisite: Admission into nursing degree program.

### **NURS-EL 3347. SPECIALIZED TOPICS IN NURSING. 3 Hours.**

Areas of special interest. May be repeated with varied topics. Must earn a C or better to earn credit.

### **NURS-EL 3352. THE LEGACY OF THE FAMILY. 3 Hours.**

Explore and enhance understanding and application of the principles of family science knowledge in therapeutic relationships with families across the lifespan.

## COURSES

### **NURS-HI 3358. FUNDAMENTAL TELEHEALTH SKILLS. 3 Hours.**

This course is designed to provide students with foundational knowledge of skills required for effective telehealth application and delivery. Prerequisite: undergraduate status or special student status.

### **NURS-HI 3359. INTRODUCTION TO HEALTH INFORMATICS. 3 Hours.**

This course provides the foundation for the study of health informatics and covers topics such as health information management, clinical information systems (inpatient, outpatient, nursing, laboratory, pharmacy, radiology, etc.), decision support systems, clinical research and health-assessment systems, technology assessment, population health, ethics, security and confidentiality, social determinants of health and emerging trends. Prerequisite: undergraduate status or special student status.

### **NURS-HI 3360. INTERPROFESSIONAL COLLABORATIVE PRACTICE. 3 Hours.**

This course is designed to provide students with foundational knowledge of interprofessional collaborative practice. Students will explore values and ethics for interprofessional practice, roles and responsibilities for collaborative practice, interprofessional communication strategies, and the interprofessional teamwork and team-based practice. This course will provide a framework for deliberate interprofessional collaborative practice with other health professionals to maintain a climate of mutual respect and shared values in today's complex health care environment, with the common goal of improving patient outcomes. Prerequisite: undergraduate status or special student status.

### **NURS-HI 5383. PRINCIPLES OF HEALTHCARE INFORMATICS. 3 Hours.**

Health information management, clinical information systems, decision support systems, clinical research and health assessment systems, technology assessment, and healthcare accounting. Focus is on US healthcare and the role of informatics within the U.S. healthcare system. Prerequisite: Graduate standing.

### **NURS-HI 5384. HEALTHCARE DATA MANAGEMENT AND ANALYTICS. 3 Hours.**

Development, integration, and management of healthcare information systems, patient care systems, and healthcare delivery applications. Utilizes case studies and real-life application scenarios. Prerequisite: Graduate Standing.

### **NURS-HI 5385. HEALTH INFORMATION SYSTEMS MANAGEMENT. 3 Hours.**

Introduction to project management principles and tools used for managing the development of healthcare analytics projects and information systems. Application of systems theory, hardware requirements, personnel requirements, vendor, negotiations, software, database, telecommunications, and use of the internet. Prerequisite: NURS-HI 5383 or instructor approval.

### **NURS-HI 5386. SOCIAL DETERMINANTS OF HEALTH AND HEALTHCARE INFORMATICS. 3 Hours.**

Introduce the concepts of SDOH and explore the relationships between SDOH and Health informatics. Include how healthcare informatics can be employed to bridge the gaps experienced by vulnerable populations. Prerequisite: Graduate Standing.

### **NURS-HI 5687. INFORMATICS PRACTICUM. 6 Hours.**

Synthesize principles and concepts of healthcare informatics as it applies to the nurse informatics role. Prerequisite: GPA 3.0; NURS 5327, NURS 5388, NURS 5367, NURS 5366, NURS 5342, NURS 5334, NURS-HI 5383, NURS-HI 5384, NURS-HI 5385, NURS-HI 5386.

## COURSES

### **NURS-IS 3137. INDEPENDENT STUDY. 1 Hour.**

Topic and mode of study are agreed upon by the student and instructor. May be repeated with various topics. Must earn C or better for credit. Prerequisite: Consent of instructor.

### **NURS-IS 3237. INDEPENDENT STUDY. 2 Hours.**

Topic and mode of study are agreed upon by the student and instructor. May be repeated with various topics. Must earn C or better for credit. Prerequisite: Consent of instructor.

### **NURS-IS 3337. INDEPENDENT STUDY. 3 Hours.**

Topic and mode of study are agreed upon by the student and instructor. May be repeated with various topics. Must earn a grade of C or better for credit. Prerequisite: Consent of Instructor.

**NURS-IS 5370. INDEPENDENT STUDY IN NURSING. 3 Hours.**

Detailed in-depth study in a specific topic area. Topic and mode of study are agreed upon by student(s) and instructor prior to registration. May be repeated for credit when topics vary. Graded F,R,P,W. Permission of instructor. Graduate standing.

**COURSES****NURS-SS 2232. LEARNING PROFESSIONAL NURSING AND LIFE SKILLS. 2 Hours.**

This course focuses on the development and successful use of time management, test-taking skills, study methods, and additional student success strategies that can support students pursuing the BSN Prelicensure Program. Required for students who fail an upper-division nursing course. Prerequisite: Admission to the BSN Prelicensure program.

**COURSES****NURS-UL 3333. PROMOTING HEALTHY LIFESTYLES. 3 Hours.**

Focus on health promotion and disease prevention strategies that promote healthy lifestyles and empower individuals, families, and populations to achieve optimal health and wellness. The role of the nurse in health promotion is emphasized. Students will examine the impact of nurses' overall wellness on patient safety. Prerequisite: Acceptance into the upper division nursing program.

**NURS-UL 3352. THE LEGACY OF THE FAMILY. 3 Hours.**

Explore and enhance understanding and application of the principles of family science knowledge in therapeutic relationships with families across the lifespan.

**NURS-UL 3365. PHARMACOLOGY IN NURSING PRACTICE. 3 Hours.**

Introduction to current concepts of pharmacology and their relationship to nursing practice. Included are basic principles of drug actions, side effects for major drug classifications, and the role of the nurse in drug therapeutics. Must be taken no more than three years prior to acceptance into the nursing program. Prerequisite: BIOL 2457, BIOL 2458, CHEM 1451.

**NURS-UL 3366. PATHOPHYSIOLOGIC PROCESSES: IMPLICATIONS FOR NURSING. 3 Hours.**

Pathophysiologic alterations, their interactions, and effects on persons across the life span as a basis for therapeutic nursing interventions. Must be taken no more than three years prior to acceptance into the nursing program. Prerequisite: BIOL 2457, BIOL 2458, CHEM 1451.

**NURS-UL 3632. CLINICAL NURSING FOUNDATIONS. 6 Hours.**

Basic therapeutic nursing interventions with individuals and families in diverse settings using nursing process framework. Prerequisite: or Corequisite: NURS 3320.

**COURSES****NURSC 5120. ADULT-GERONTOLOGY ASSESSMENT LAB. 1 Hour.**

Conduct comprehensive health assessment in the adult-gerontology population. Prerequisite: NURS 5220 or concurrent enrollment or Certificate Program Standing.

**NURSC 5130. PEDIATRIC ASSESSMENT LAB. 1 Hour.**

Conduct comprehensive health assessment in the pediatric population. Prerequisite: NURS 5220 or concurrent enrollment or Certificate Program Standing.

**NURSC 5150. ADVANCED CARE OF A CLIENT POPULATION. 1 Hour.**

Conduct comprehensive advanced health assessments of a client population and provide a teaching intervention of a priority health need. Prerequisite: NURS 5220 or concurrent enrollment or Certificate Program Standing.

**NURSC 5220. ADVANCED HEALTH ASSESSMENT AND DIAGNOSTIC REASONING. 2 Hours.**

Apply theoretical foundations of comprehensive health assessment across the lifespan. Prerequisite: Graduate or Certificate Program Standing. NURS 5315 or Special Permission.

**NURSC 5302. CURRICULUM DEVELOPMENT IN NURSING EDUCATION. 3 Hours.**

Explore the nature of nursing education. Focus on the curriculum process and its application to nursing education programs. Prerequisite: Graduate standing.

**NURSC 5308. NURSING INFORMATICS. 3 Hours.**

Focus on application of computer technology that supports the dissemination of health care data, information and knowledge. Selected software packages/applications are presented and used. Prerequisite: NURS 5367.

**NURSC 5310. TEACHING AND LEARNING THEORIES AND STRATEGIES IN NURSING EDUCATION. 3 Hours.**

Teaching/Learning theories, strategies, and evaluation for educators. Prerequisite: Graduate standing.

**NURSC 5311. NURSING MANAGEMENT IN THE HEALTH CARE ENVIRONMENT. 3 Hours.**

Considers development of management and organizational theories as applied to health care organizations and their environment. Prerequisite: NURS 5367.

**NURSC 5312. ASSESSMENT AND EVALUATION STRATEGIES IN NURSING EDUCATION. 3 Hours.**

Integration of concepts of assessment and evaluation into a nursing evaluation framework. Prerequisite: Graduate standing.

**NURSC 5315. ADVANCED PATHOPHYSIOLOGY. 3 Hours.**

Builds on a previous understanding of anatomy and physiology and focuses on developing advanced knowledge of physiologic and pathophysiologic concepts across the life span. Prerequisite: Graduate Standing.

**NURSC 5324. PSYCHIATRIC MENTAL CLINICAL PRACTICE I. 3 Hours.**

This course provides application of theoretical knowledge and clinical skills to patients with commonly occurring psychiatric and mental health disorders across the life span in the context of advanced nursing practice. Prerequisite: NURS 5222 and NURS 5223 or Certificate Program Standing. Good academic standing (GPA 3.0).

**NURSC 5325. PSYCHIATRIC MENTAL HEALTH CLINICAL PRACTICE II. 3 Hours.**

This course provides application of theoretical knowledge and clinical skills to patients with various commonly occurring and complex psychiatric and mental health disorders across the life span in the context of advanced nursing practice. Prerequisite: NURS 5324 or concurrent enrollment, or Certificate Program Standing. Good academic standing (GPA 3.0).

**NURSC 5329. ROLE OF THE NURSE EDUCATOR. 3 Hours.**

Investigation of the roles and functions of the nurse educator. Prerequisite: Graduate program standing.

**NURSC 5334. ADVANCED PHARMACOLOGY FOR NURSE PRACTITIONERS. 3 Hours.**

Study of clinical pharmacological therapeutics for advanced nursing practice. Prerequisites: NURS 5315 or Certificate Program Standing.

**NURSC 5337. FAMILY CLINICAL PRACTICE 1. 3 Hours.**

Initial clinical preceptorship in selected primary health practice sites with opportunities to apply knowledge and concepts of advanced nursing practice implementing the family nurse practitioner role in evidenced based patient care. Prerequisite: NURS 5432, NURS 5433, NURS 5434 and Good academic standing (GPA 3.0) or certificate program standing.

**NURSC 5338. FAMILY CLINICAL PRACTICE 2. 3 Hours.**

Continued clinical preceptorship with opportunities for increased clinical knowledge in selected primary health practice sites with opportunities to apply knowledge and concepts of advanced nursing practice implementing the family nurse practitioner role in evidenced based patient care. Prerequisite: NURS 5432, NURS 5433, NURS 5434, NURS 5337 or concurrent enrollment; Good academic standing (GPA 3.0) or Certificate Program standing.

**NURSC 5339. ROLES AND FUNCTIONS OF THE NURSE ADMINISTRATOR. 3 Hours.**

Examine and implement administrative and managerial roles in health care organizations. Prerequisite: NURS 5311.

**NURSC 5340. MANAGEMENT SEMINAR AND PRACTICE. 3 Hours.**

Synthesize management, organizational, and leadership concepts and theories in selected health care settings. Prerequisite: NURS 5308; NURS 5311; NURS 5339; NURS 5341; NURS 5343; NURS 5342; NURS 5382. Good Academic Standing (3.0 GPA).

**NURSC 5341. FINANCIAL MANAGEMENT IN NURSING. 3 Hours.**

Analyze and apply financial management concepts to financial planning, budgeting, and reimbursement systems in health care. Prerequisite: NURS 5311 or admission into Masters of Science in Health Informatics (MSH-HI) program.

**NURSC 5342. MANAGEMENT OF NURSING OPERATIONS. 3 Hours.**

Examine strategic planning for health care systems. Prerequisite: NURS 5311 or admission into Masters of Science in Health Informatics (MSN-HI) program.

**NURSC 5343. NURSING LEADERSHIP AND COMPLEX HEALTH CARE SYSTEMS. 3 Hours.**

Analyze leadership strategies in current and predicted health care systems including dimensions of workforce and workplace issues, leadership, and evidenced-based decision-making. Prerequisite: NURS 5367.

**NURSC 5350. ROLE OF THE NURSE IN ADVANCED PRACTICE. 3 Hours.**

Theory and application of the multiple roles of the advanced practice nurse within the health care system. Prerequisite: Graduate Standing.

**NURSC 5352. ADULT GERONTOLOGY PRIMARY CARE CLINICAL PRACTICE 1. 3 Hours.**

Clinical experience in primary and long term health care settings with focus on managing adolescents, adults, and elders with common episodic acute and chronic health care needs. Prerequisite: NURS 5462 or concurrent enrollment; Good academic standing (GPA 3.0) or certificate program standing.

**NURSC 5353. ADULT GERONTOLOGY PRIMARY CARE CLINICAL PRACTICE 2. 3 Hours.**

Continued clinical experience in primary and long term health care settings with focus on managing adolescents, adults, and elders with common episodic acute and chronic health care needs. Prerequisite: NURS 5462 and NURS 5352 or concurrent enrollment and Good academic standing (GPA 3.0) or certificate program standing.

**NURSC 5354. ADULT GERONTOLOGY ACUTE CARE CLINICAL PRACTICE 1. 3 Hours.**

Clinical experience in specialty practice and high acuity health care settings with focus on managing adolescents, adults, and elders with common secondary and tertiary health care needs. Prerequisite: NURS 5463 or concurrent enrollment and Good academic standing (GPA 3.0) or certificate program standing.

**NURSC 5355. ADULT GERONTOLOGY ACUTE CARE CLINICAL PRACTICE 2. 3 Hours.**

Continued clinical experience in specialty practice and high acuity health care settings with focus on managing adolescents, adults, and elders with common secondary and tertiary health care needs. Prerequisite: NURS 5354 or concurrent enrollment; Good academic standing (GPA 3.0) or certificate program standing.



**NURSC 5362. TEACHING PRACTICUM. 3 Hours.**

Nursing education preceptorship in selected health care sites with opportunities to apply clinical and educational knowledge, skills, and concepts in a guided, progressive context of nursing education. Graded F,R,P,W. Prerequisite: Completion of all courses in the Nursing Education Program and Good academic standing (GPA 3.0).

**NURSC 5371. PEDIATRIC PRIMARY CARE CLINICAL PRACTICE 1. 3 Hours.**

Initial clinical preceptorship in selected primary health practice sites with opportunities to apply knowledge and concepts of advanced nursing practice implementing the pediatric nurse practitioner role in evidenced based patient care. Prerequisite: NURS 5465. Good academic standing (GPA 3.0) or Certificate program standing.

**NURSC 5372. PEDIATRIC PRIMARY CARE CLINICAL PRACTICE 2. 3 Hours.**

Continue clinical preceptorship in selected primary health practice sites with opportunities to apply knowledge and concepts of advanced nursing practice implementing the pediatric nurse practitioner role in evidenced based patient care. Prerequisite: NURS 5371 or concurrent enrollment. Good academic standing (GPA 3.0) or Certificate Program Standing.

**NURSC 5373. PEDIATRIC ACUTE CARE CLINICAL PRACTICE 1. 3 Hours.**

Initial clinical preceptorship in selected acute and chronic care health practice sites with opportunities to apply knowledge and concepts of advanced nursing practice implementing the pediatric acute care nurse practitioner role in evidenced based patient care. Prerequisite: NURS 5467 or concurrent enrollment. NURS 5466 or concurrent enrollment. Good academic standing (GPA 3.0) or Certificate program standing.

**NURSC 5374. PEDIATRIC ACUTE CARE CLINICAL PRACTICE 2. 3 Hours.**

Continue clinical preceptorship in selected acute and chronic care health practice sites with opportunities to apply knowledge and concepts of advanced nursing practice implementing the pediatric nurse practitioner role in evidenced based patient care. Prerequisite: NURS 5466; NURS 5373 or concurrent enrollment. Good academic standing (GPA 3.0) or Certificate program standing.

**NURSC 5382. NURSING AND HEALTH CARE POLICY: ISSUES AND ANALYSIS. 3 Hours.**

Analyze historical, current, and predicted national, state, and local health care policy processes. Prerequisite: NURS 5367.

**NURSC 5388. STATISTICS FOR HEALTH CARE. 3 Hours.**

This course provides students with the basic knowledge and skills to effectively use biostatistics in different research design and data analysis, and to understand articles in related professional journals. Topics include choosing correct statistical methods and study designs in nursing research and practice; descriptive statistics; probability and probability distributions; estimation and hypothesis testing, simple linear regression, introduction to analysis of variance and an introduction to the use of statistical software packages. Prerequisite: Undergraduate Statistics.

**NURSC 5432. FAMILY I. 4 Hours.**

This course focuses on advanced concepts and knowledge for nurse practitioner primary care management of designated acute, chronic and complex health problems of individuals and families across the lifespan. Particular emphasis will be on pediatric wellness, women's health, men's health, and geriatrics concepts and conditions. Prerequisite: NURS 5418 or NURS 5220 and NURS 5120 and NURS 5130; NURS 5334 or Certificate Program standing.

**NURSC 5433. FAMILY II. 4 Hours.**

This course focuses on advanced concepts and knowledge for nurse practitioner primary care management of commonly occurring conditions seen in primary care patients across the lifespan. Prerequisite: NURS 5418 or NURS 5220 and NURS 5120 and NURS 5130; NURS 5334 or Certificate Program standing.

**NURSC 5434. FAMILY III. 4 Hours.**

This course focuses on advanced concepts and knowledge for nurse practitioner primary care management of designated acute, chronic and complex health problems of individuals and families across the lifespan. Particular emphasis will be on adult wellness, psychiatric, and cardiometabolic concepts and conditions. Prerequisite: NURS 5418 or NURS 5220 and NURS 5120 and NURS 5130; NURS 5334 or Certificate Program standing.

**NURSC 5450. NEONATAL NP CLINICAL PRACTICE. 4 Hours.**

Integration of clinical management of the high-risk neonate through clinical preceptorships in selected health practice sites with application of knowledge, skills and concepts in a guided, progressive context of advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisites: NURS 5334 and NURS 5316 or NURS 5220 and NURS 5110 and NURS 5204 and NURS 5537 or concurrent enrollment and Good academic standing (GPA 3.0) or Certificate Program Standing.

**NURSC 5461. ADULT GERONTOLOGY MANAGEMENT ACROSS THE CONTINUUM OF CARE. 4 Hours.**

Foundations of advanced knowledge of common acute and chronic health problems in adolescents, adults, and elders across health care settings. Prerequisite: NURS 5220; NURS 5120 and NURS 5334, and NURS 5367 or concurrent enrollment, or Certificate Program Standing.

**NURSC 5462. ADULT GERONTOLOGY PRIMARY CARE. 4 Hours.**

Focus on an inter-professional approach and the development of advanced knowledge in the primary care management of adults from adolescence through old age, their families, and communities in a variety of health care settings. Prerequisite: NURS 5461 or Certificate Program Standing.

**NURSC 5463. ADULT GERONTOLOGY ACUTE CARE. 4 Hours.**

Focuses on a collaborative, inter-professional approach in the evaluation, diagnosis, and management of adolescents, adults, and gerontological patients who are experiencing acute, critical, and complex chronic illnesses across the continuum of care. Prerequisite: NURS 5461 or Certificate Program Standing.

**NURSC 5465. PRIMARY PEDIATRIC CARE. 4 Hours.**

This course focuses on advanced concepts and knowledge for nurse practitioners management of designated minor acute, chronic and chronic health problems of pediatric patients and their families in primary care healthcare settings. Prerequisite: NURS 5334; NURS 5220; NURS 5130; NURS 5367 or concurrent enrollment.

**NURSC 5466. PEDIATRIC ACUTE CARE. 4 Hours.**

This course focuses on advanced concepts and knowledge for nurse practitioner management of designated critical, acute, chronic and complex health problems of pediatric patients and their families in an acute care facility. Prerequisite: NURS 5465.

**NURSC 5467. PEDIATRIC COMPLEX CARE. 4 Hours.**

This course focuses on advanced concepts and knowledge for nurse practitioner management of designated acute, chronic and complex health problems of pediatric patients and their families in multiple healthcare settings. Prerequisite: NURS 5465 or concurrent enrollment or Certificate program standing.

**NURSC 5610. NEONATAL NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of neonatal advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisite: NURS 5447 and NURS 5450. Good Academic Standing (GPA 3.0) or Certificate Program Standing.

**NURSC 5640. ADULT GERONTOLOGY ACUTE CARE NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of adult gerontology acute care advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisite: For NURS 5640: NURS 5354 and NURS 5355. Good Academic Standing (GPA 3.0) or Certificate Program Standing. For NURSC 5640: NURSC 5354 and NURSC 5355. Good Academic Standing (GPA 3.0) or Certificate Program Standing.

**NURSC 5645. ADULT GERONTOLOGY PRIMARY CARE NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of adult gerontology primary care advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisite: For NURS 5645: NURS 5352 and NURS 5353. Good Academic Standing (GPA 3.0) or Certificate Program Standing. For NURSC 5645: NURSC 5352 and NURSC 5353. Good Academic Standing (GPA 3.0) or Certificate Program Standing.

**NURSC 5650. PSYCHIATRIC MENTAL HEALTH NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of family psychiatric mental health care advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisite: NURS 5324 and NURS 5325. Good Academic Standing (GPA 3.0) or Certificate Program Standing.

**NURSC 5660. FAMILY NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of Family Primary Care Advanced Nursing Practice. The ratio of credit to clinical hours is 1:4. Prerequisite: For NURS 5660: NURS 5337 and NURS 5338. Good Academic Standing (GPA 3.0) or Certificate Program Standing. For NURSC 5660: NURSC 5337 and NURSC 5338. Good Academic Standing (GPA 3.0) or Certificate Program Standing. For NURSG: NURSG 5337 and NURSG 5338. Good Academic Standing (GPA 3.0) or Certificate Program Standing.

**NURSC 5680. PEDIATRIC ACUTE CARE NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of pediatric acute care advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisite: For NURS 5680: NURS 5373 and NURS 5374. Good Academic Standing (GPA 3.0) or Certificate Program standing. For NURSC 5680: NURSC 5373 and NURSC 5374. Good Academic Standing (GPA 3.0) or Certificate Program standing.

**NURSC 5685. PEDIATRIC PRIMARY CARE NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of pediatric primary care advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisite: For NURS 5685: NURS 5371 and NURS 5372. Good Academic Standing (GPA 3.0) or Certificate Program Standing. For NURSC 5685: NURSC 5371 and NURSC 5372. Good Academic Standing (GPA 3.0) or Certificate Program Standing.

## COURSES

**NURSG 5150. ADVANCED CARE OF A CLIENT POPULATION. 1 Hour.**

Conduct comprehensive advanced health assessments of a client population and provide a teaching intervention of a priority health need. Prerequisite: NURS 5220 or concurrent enrollment or Certificate Program Standing.

**NURSG 5220. ADVANCED HEALTH ASSESSMENT AND DIAGNOSTIC REASONING. 2 Hours.**

Apply theoretical foundations of comprehensive health assessment across the lifespan. Prerequisite: Graduate or Certificate Program Standing. NURS 5315 or Special Permission.

**NURSG 5302. CURRICULUM DEVELOPMENT IN NURSING EDUCATION. 3 Hours.**

Explore the nature of nursing education. Focus on the curriculum process and its application to nursing education programs. Prerequisite: Graduate standing.



**NURSG 5308. NURSING INFORMATICS. 3 Hours.**

Focus on application of computer technology that supports the dissemination of health care data, information and knowledge. Selected software packages/applications are presented and used. Prerequisite: NURS 5367.

**NURSG 5310. TEACHING AND LEARNING THEORIES AND STRATEGIES IN NURSING EDUCATION. 3 Hours.**

Teaching/Learning theories, strategies, and evaluation for educators. Prerequisite: Graduate standing.

**NURSG 5311. NURSING MANAGEMENT IN THE HEALTH CARE ENVIRONMENT. 3 Hours.**

Considers development of management and organizational theories as applied to health care organizations and their environment. Prerequisite: NURS 5367.

**NURSG 5312. ASSESSMENT AND EVALUATION STRATEGIES IN NURSING EDUCATION. 3 Hours.**

Integration of concepts of assessment and evaluation into a nursing evaluation framework. Prerequisite: Graduate standing.

**NURSG 5315. ADVANCED PATHOPHYSIOLOGY. 3 Hours.**

Builds on a previous understanding of anatomy and physiology and focuses on developing advanced knowledge of physiologic and pathophysiologic concepts across the life span. Prerequisite: Graduate Standing.

**NURSG 5318. ADVANCED PATHOPHYSIOLOGY FOR NURSE EDUCATORS. 3 Hours.**

This course develops advanced knowledge of pathophysiology. Principles of advanced physiology and pathophysiology are applied to disease processes, plans of care, and teaching plans. This course prepares Nurse Educators to educate clients, students, colleagues to facilitate patients and/or their support systems understanding of the disease process plan of care. Prerequisite: NURS 5367 and NURS 5310 and NURS 5329 and NURS 5302 and NURS 5312.

**NURSG 5319. ADVANCED PHARMACOLOGY FOR NURSE EDUCATORS. 3 Hours.**

This course develops advanced knowledge of clinical pharmacological therapeutics through the evaluation of classes of drugs and pharmacologic plans of care. This course prepares Nurse Educators to educate clients, students, and colleagues to facilitate patients and/or their support systems understanding of the pharmacologic plan of care. Prerequisite: NURS 5318.

**NURSG 5324. PSYCHIATRIC MENTAL CLINICAL PRACTICE I. 3 Hours.**

This course provides application of theoretical knowledge and clinical skills to patients with commonly occurring psychiatric and mental health disorders across the life span in the context of advanced nursing practice. Prerequisite: NURS 5222 and NURS 5223 or Certificate Program Standing. Good academic standing (GPA 3.0).

**NURSG 5325. PSYCHIATRIC MENTAL HEALTH CLINICAL PRACTICE II. 3 Hours.**

This course provides application of theoretical knowledge and clinical skills to patients with various commonly occurring and complex psychiatric and mental health disorders across the life span in the context of advanced nursing practice. Prerequisite: NURS 5324 or concurrent enrollment, or Certificate Program Standing. Good academic standing (GPA 3.0).

**NURSG 5327. EXPLORATION OF SCIENCE AND THEORIES FOR NURSING. 3 Hours.**

This course provides a critical examination of the philosophical and theoretical bases for nursing science. Prerequisite: Graduate standing.

**NURSG 5329. ROLE OF THE NURSE EDUCATOR. 3 Hours.**

Investigation of the roles and functions of the nurse educator. Prerequisite: Graduate program standing.

**NURSG 5334. ADVANCED PHARMACOLOGY FOR NURSE PRACTITIONERS. 3 Hours.**

Study of clinical pharmacological therapeutics for advanced nursing practice. Prerequisites: NURS 5315 or Certificate Program Standing.

**NURSG 5339. ROLES AND FUNCTIONS OF THE NURSE ADMINISTRATOR. 3 Hours.**

Examine and implement administrative and managerial roles in health care organizations. Prerequisite: NURS 5311.

**NURSG 5340. MANAGEMENT SEMINAR AND PRACTICE. 3 Hours.**

Synthesize management, organizational, and leadership concepts and theories in selected health care settings. Prerequisite: NURS 5308; NURS 5311; NURS 5339; NURS 5341; NURS 5343; NURS 5342; NURS 5382. Good Academic Standing (3.0 GPA).

**NURSG 5341. FINANCIAL MANAGEMENT IN NURSING. 3 Hours.**

Analyze and apply financial management concepts to financial planning, budgeting, and reimbursement systems in health care. Prerequisite: NURS 5311 or admission into Masters of Science in Health Informatics (MSH-HI) program.

**NURSG 5342. MANAGEMENT OF NURSING OPERATIONS. 3 Hours.**

Examine strategic planning for health care systems. Prerequisite: NURS 5311 or admission into Masters of Science in Health Informatics (MSN-HI) program.

**NURSG 5343. NURSING LEADERSHIP AND COMPLEX HEALTH CARE SYSTEMS. 3 Hours.**

Analyze leadership strategies in current and predicted health care systems including dimensions of workforce and workplace issues, leadership, and evidenced-based decision-making. Prerequisite: NURS 5367.

**NURSG 5350. ROLE OF THE NURSE IN ADVANCED PRACTICE. 3 Hours.**

Theory and application of the multiple roles of the advanced practice nurse within the health care system. Prerequisite: Graduate Standing.

**NURSG 5352. ADULT GERONTOLOGY PRIMARY CARE CLINICAL PRACTICE 1. 3 Hours.**

Clinical experience in primary and long term health care settings with focus on managing adolescents, adults, and elders with common episodic acute and chronic health care needs. Prerequisite: NURS 5462 or concurrent enrollment; Good academic standing (GPA 3.0) or certificate program standing.

**NURSG 5353. ADULT GERONTOLOGY PRIMARY CARE CLINICAL PRACTICE 2. 3 Hours.**

Continued clinical experience in primary and long term health care settings with focus on managing adolescents, adults, and elders with common episodic acute and chronic health care needs. Prerequisite: NURS 5462 and NURS 5352 or concurrent enrollment and Good academic standing (GPA 3.0) or certificate program standing.

**NURSG 5354. ADULT GERONTOLOGY ACUTE CARE CLINICAL PRACTICE 1. 3 Hours.**

Clinical experience in specialty practice and high acuity health care settings with focus on managing adolescents, adults, and elders with common secondary and tertiary health care needs. Prerequisite: NURS 5463 or concurrent enrollment and Good academic standing (GPA 3.0) or certificate program standing.

**NURSG 5355. ADULT GERONTOLOGY ACUTE CARE CLINICAL PRACTICE 2. 3 Hours.**

Continued clinical experience in specialty practice and high acuity health care settings with focus on managing adolescents, adults, and elders with common secondary and tertiary health care needs. Prerequisite: NURS 5354 or concurrent enrollment; Good academic standing (GPA 3.0) or certificate program standing.

**NURSG 5360. SIMULATION APPLICATION IN NURSING. 3 Hours.**

Application of and active learning strategies in nursing education. Prerequisite: NURS 5367, NURS 5220.

**NURSG 5362. TEACHING PRACTICUM. 3 Hours.**

Nursing education preceptorship in selected health care sites with opportunities to apply clinical and educational knowledge, skills, and concepts in a guided, progressive context of nursing education. Graded F,R,P,W. Prerequisite: Completion of all courses in the Nursing Education Program and Good academic standing (GPA 3.0).

**NURSG 5366. PRINCIPLES OF RESEARCH IN NURSING. 3 Hours.**

This course focuses on integration of theoretical and empirical principles of nursing research to generate evidence for nursing practice. Prerequisite: Graduate Standing.

**NURSG 5367. EVIDENCE BASED PRACTICE. 3 Hours.**

Preparation to lead evidence-based practice teams, to interpret best evidence, to plan for change, to evaluate outcomes, and to disseminate the project. Prerequisite: Graduate standing; NURS 5366 and NURS 5327.

**NURSG 5371. PEDIATRIC PRIMARY CARE CLINICAL PRACTICE 1. 3 Hours.**

Initial clinical preceptorship in selected primary health practice sites with opportunities to apply knowledge and concepts of advanced nursing practice implementing the pediatric nurse practitioner role in evidenced based patient care. Prerequisite: NURS 5465. Good academic standing (GPA 3.0) or Certificate program standing.

**NURSG 5372. PEDIATRIC PRIMARY CARE CLINICAL PRACTICE 2. 3 Hours.**

Continue clinical preceptorship in selected primary health practice sites with opportunities to apply knowledge and concepts of advanced nursing practice implementing the pediatric nurse practitioner role in evidenced based patient care. Prerequisite: NURS 5371 or concurrent enrollment. Good academic standing (GPA 3.0) or Certificate Program Standing.

**NURSG 5373. PEDIATRIC ACUTE CARE CLINICAL PRACTICE 1. 3 Hours.**

Initial clinical preceptorship in selected acute and chronic care health practice sites with opportunities to apply knowledge and concepts of advanced nursing practice implementing the pediatric acute care nurse practitioner role in evidenced based patient care. Prerequisite: NURS 5467 or concurrent enrollment. NURS 5466 or concurrent enrollment. Good academic standing (GPA 3.0) or Certificate program standing.

**NURSG 5374. PEDIATRIC ACUTE CARE CLINICAL PRACTICE 2. 3 Hours.**

Continue clinical preceptorship in selected acute and chronic care health practice sites with opportunities to apply knowledge and concepts of advanced nursing practice implementing the pediatric nurse practitioner role in evidenced based patient care. Prerequisite: NURS 5466; NURS 5373 or concurrent enrollment. Good academic standing (GPA 3.0) or Certificate program standing.

**NURSG 5382. NURSING AND HEALTH CARE POLICY: ISSUES AND ANALYSIS. 3 Hours.**

Analyze historical, current, and predicted national, state, and local health care policy processes. Prerequisite: NURS 5367.

**NURSG 5388. STATISTICS FOR HEALTH CARE. 3 Hours.**

This course provides students with the basic knowledge and skills to effectively use biostatistics in different research design and data analysis, and to understand articles in related professional journals. Topics include choosing correct statistical methods and study designs in nursing research and practice; descriptive statistics; probability and probability distributions; estimation and hypothesis testing, simple linear regression, introduction to analysis of variance and an introduction to the use of statistical software packages. Prerequisite: Undergraduate Statistics.

**NURSG 5432. FAMILY I. 4 Hours.**

This course focuses on advanced concepts and knowledge for nurse practitioner primary care management of designated acute, chronic and complex health problems of individuals and families across the lifespan. Particular emphasis will be on pediatric wellness, women's health, men's health, and geriatrics concepts and conditions. Prerequisite: NURS 5418 or NURS 5220 and NURS 5120 and NURS 5130; NURS 5334 or Certificate Program standing.

**NURSG 5433. FAMILY II. 4 Hours.**

This course focuses on advanced concepts and knowledge for nurse practitioner primary care management of commonly occurring conditions seen in primary care patients across the lifespan. Prerequisite: NURS 5418 or NURS 5220 and NURS 5120 and NURS 5130; NURS 5334 or Certificate Program standing.

**NURSG 5434. FAMILY III. 4 Hours.**

This course focuses on advanced concepts and knowledge for nurse practitioner primary care management of designated acute, chronic and complex health problems of individuals and families across the lifespan. Particular emphasis will be on adult wellness, psychiatric, and cardiometabolic concepts and conditions. Prerequisite: NURS 5418 or NURS 5220 and NURS 5120 and NURS 5130; NURS 5334 or Certificate Program standing.

**NURSG 5450. NEONATAL NP CLINICAL PRACTICE. 4 Hours.**

Integration of clinical management of the high-risk neonate through clinical preceptorships in selected health practice sites with application of knowledge, skills and concepts in a guided, progressive context of advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisites: NURS 5334 and NURS 5316 or NURS 5220 and NURS 5110 and NURS 5204 and NURS 5537 or concurrent enrollment and Good academic standing (GPA 3.0) or Certificate Program Standing.

**NURSG 5610. NEONATAL NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of neonatal advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisite: NURS 5447 and NURS 5450. Good Academic Standing (GPA 3.0) or Certificate Program Standing.

**NURSG 5640. ADULT GERONTOLOGY ACUTE CARE NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of adult gerontology acute care advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisite: For NURS 5640: NURS 5354 and NURS 5355. Good Academic Standing (GPA 3.0) or Certificate Program Standing. For NURSC 5640: NURSC 5354 and NURSC 5355. Good Academic Standing (GPA 3.0) or Certificate Program Standing.

**NURSG 5645. ADULT GERONTOLOGY PRIMARY CARE NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of adult gerontology primary care advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisite: For NURS 5645: NURS 5352 and NURS 5353. Good Academic Standing (GPA 3.0) or Certificate Program Standing. For NURSC 5645: NURSC 5352 and NURSC 5353. Good Academic Standing (GPA 3.0) or Certificate Program Standing.

**NURSG 5650. PSYCHIATRIC MENTAL HEALTH NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of family psychiatric mental health care advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisite: NURS 5324 and NURS 5325. Good Academic Standing (GPA 3.0) or Certificate Program Standing.

**NURSG 5680. PEDIATRIC ACUTE CARE NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of pediatric acute care advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisite: For NURS 5680: NURS 5373 and NURS 5374. Good Academic Standing (GPA 3.0) or Certificate Program standing. For NURSC 5680: NURSC 5373 and NURSC 5374. Good Academic Standing (GPA 3.0) or Certificate Program standing.

**NURSG 5685. PEDIATRIC PRIMARY CARE NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of pediatric primary care advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisite: For NURS 5685: NURS 5371 and NURS 5372. Good Academic Standing (GPA 3.0) or Certificate Program Standing. For NURSC 5685: NURSC 5371 and NURSC 5372. Good Academic Standing (GPA 3.0) or Certificate Program Standing.

## COURSES

**NURSU 3300. COOPERATIVE NURSING WORK EXPERIENCE. 3 Hours.**

Designed for nursing cooperative education students to integrate classroom study with career-related practical experience in the workplace. Must earn a C or better to earn credit. Prerequisite: Admission into nursing degree program.

**NURSU 3309. MEDICAL TERMINOLOGY FOR HEALTHCARE PROVIDERS. 3 Hours.**

This course will enable the student to speak, use, and understand commonly used terms in the healthcare field. This course can be used as the upper division elective. Formerly taught as BIOL 3309. Credit will not be given for both.

**NURSU 3315. RN-BSN HOLISTIC HEALTH ASSESSMENT ACROSS THE LIFESPAN. 3 Hours.**

Theory and practice of holistic health assessment of individuals and families across the life span designed for the registered nurse. RN-BSN students only. Prerequisite: NURS 3345.

**NURSU 3325. RN-BSN HOLISTIC CARE OF THE OLDER ADULT. 3 Hours.**

Introduction to gerontologic nursing principles and standards. Selected concepts and issues related to aging and its impact on society and health care. RN-BSN students only. Previously listed as NURS 3322. Prerequisite: NURS 3345.

**NURSU 3335. RN-BSN PROMOTING HEALTHY LIFESTYLES. 3 Hours.**

Focus on health promotion and disease preventions strategies that promote healthy lifestyles and empower individuals, families, and populations to achieve optimal health and wellness. The role of the nurse in health promotion is emphasized. Students will examine the impact of nurses' overall wellness on patient safety. RN-BSN students only. Previously NURS 3435. Prerequisite: NURS 3345.

**NURSU 3345. ROLE TRANSITION TO PROFESSIONAL NURSING. 3 Hours.**

Course addresses the role transition to Professional Nursing, nursing theory, ethics, decision making, critical thinking/clinical judgment, introduction to evidence-based practice, and informatics/technology in practice. Identifies strategies for personal and professional empowerment. Prerequisite: Admission into nursing degree program.

**NURSU 3352. THE LEGACY OF THE FAMILY. 3 Hours.**

Explore and enhance understanding and application of the principles of family science knowledge in therapeutic relationships with families across the lifespan.

**NURSU 3375. RN-BSN HEALTH POLICY, LEGAL ASPECTS AND INFORMATICS IN NURSING. 3 Hours.**

This course provides an introduction to legal and ethical concepts, values, and behaviors necessary for transitioning to a professional nursing role. Topics include health care policy development, legal overview and peer-review process, health care informatics, economic and political issues, laws, rules, challenges, boundaries, malpractice and societal issues and trends influencing health care. Prerequisite: NURS 3345.

**NURSU 4300. COOPERATIVE NURSING WORK EXPERIENCE. 3 Hours.**

Designed for nursing cooperative education student to integrate classroom study with career-related practical experience in the workplace. Prerequisite: NURS-EL 3300 or NURS 3300.

**NURSU 4325. RN-BSN NURSING RESEARCH. 3 Hours.**

Basic concepts, processes and applications of nursing research. Research role of the nurse in decision making and clinical practice. RN-BSN students only. Prerequisite: ENGL 2338 or equivalent, Math 1308 or equivalent, and NURS 3345 or NURS 3645.

**NURSU 4455. RN-BSN NURSING LEADERSHIP & MANAGEMENT. 4 Hours.**

Exploration of organizational strategies, leadership theories and societal trends with implications for decision making in health care. Introduction to management skills needed by professional nurses with clinical application in diverse settings. RN-BSN students only. Prerequisite: NURS 3345.

**NURSU 4465. RN-BSN POPULATION AND COMMUNITY HEALTH NURSING. 4 Hours.**

Integrates knowledge from nursing theory and public health science in assessing health care needs of aggregates, communities, and society for the Registered Nurse. RN-BSN students only. Prerequisite: NURS 3345.

**NURSU 4685. RN-BSN CAPSTONE. 6 Hours.**

Synthesis of knowledge acquired in the RN-BSN curriculum and development of the Nurse Role with evolving professional issues, health care environment, lifelong learning, and promotion of the Nursing profession designed for Registered Nurses RN-BSN student only. Prerequisite: NURS 4325, NURS 4455 Corequisite: NURS 4465.

## COURSES

**NURS 2200. CONCEPTS IN PROFESSIONAL NURSING. 2 Hours.**

Designed to introduce the student to specific professional concepts in nursing. Selected concepts and processes for professional nursing will include an introduction to nursing's theoretical, philosophical, ethical, and legal dimensions with an emphasis on professional formation. Course activities will focus on development of teamwork, communication skills, effective decision-making and reflective practice.

**NURS 2232. LEARNING PROFESSIONAL NURSING AND LIFE SKILLS. 2 Hours.**

This course focuses on the development and successful use of time management, test-taking skills, study methods, and additional student success strategies that can support students pursuing the BSN Prelicensure Program. Required for students who fail an upper-division nursing course. Prerequisite: Admission to the BSN Prelicensure program.

**NURS 2300. INTRODUCTION TO PROFESSIONAL AND CLINICAL CONCEPTS IN NURSING. 3 Hours.**

Designed to introduce the student to specific professional concepts in nursing as well as academic success strategies. Selected concepts and processes for professional nursing will include an introduction to nursing's theoretical, philosophical, ethical, and legal dimensions with an emphasis on professional formation. Course activities will focus on development of teamwork, communication skills, effective decision making and reflective practice.

**NURS 3100. COOPERATIVE NURSING WORK EXPERIENCE. 1 Hour.**

Designed for nursing cooperative education students to integrate classroom study with career-related practical experience in the workplace. This course is graded as pass/fail. Prerequisite: Consent of instructor.

**NURS 3137. INDEPENDENT STUDY. 1 Hour.**

Topic and mode of study are agreed upon by the student and instructor. May be repeated with various topics. Must earn C or better for credit. Prerequisite: Consent of instructor.

**NURS 3147. SPECIALIZED TOPICS IN NURSING. 1 Hour.**

Areas of special interest. May be repeated with varied topics. Must complete with C or better for credit. Prerequisite: Junior standing and consent of instructor.

**NURS 3200. COOPERATIVE NURSING WORK EXPERIENCE. 2 Hours.**

Designed for nursing cooperative education students to integrate classroom study with career-related practical experience in the workplace. This course is graded as pass/fail. Prerequisite: Consent of instructor.

**NURS 3237. INDEPENDENT STUDY. 2 Hours.**

Topic and mode of study are agreed upon by the student and instructor. May be repeated with various topics. Must earn C or better for credit. Prerequisite: Consent of instructor.

**NURS 3247. SPECIALIZED TOPICS IN NURSING. 2 Hours.**

Areas of special interest. May be repeated with varied topics. Must earn C or better for credit. Prerequisite: Junior standing and consent of instructor.

**NURS 3261. NURSING OF OLDER ADULTS. 2 Hours.**

Selected concepts and issues related to aging and its impact on society and health care. Introduction to gerontologic nursing principles. Clinical application in diverse settings across the continuum of care. Prerequisite: NURS 3632, NURS 3320.

**NURS 3300. COOPERATIVE NURSING WORK EXPERIENCE. 3 Hours.**

Designed for nursing cooperative education students to integrate classroom study with career-related practical experience in the workplace. Must earn a C or better to earn credit. Prerequisite: Admission into nursing degree program.

**NURS 3309. MEDICAL TERMINOLOGY FOR HEALTHCARE PROVIDERS. 3 Hours.**

This course will enable the student to speak, use, and understand commonly used terms in the healthcare field. This course can be used as the upper division elective. Formerly taught as BIOL 3309. Credit will not be given for both.

**NURS 3315. RN-BSN HOLISTIC HEALTH ASSESSMENT ACROSS THE LIFESPAN. 3 Hours.**

Theory and practice of holistic health assessment of individuals and families across the life span designed for the registered nurse. RN-BSN students only. Prerequisite: NURS 3345.

**NURS 3320. HOLISTIC HEALTH ASSESSMENT ACROSS THE LIFESPAN. 3 Hours.**

Theory and practice of holistic health assessment of individuals and families across the life span with emphasis on normal findings. Prerequisite: or Corequisite: NURS 3632.

**NURS 3321. NURSING RESEARCH. 3 Hours.**

Basic concepts, processes and applications of nursing research. Research role of the nurse in decision making and clinical practice. Prerequisite: NURS 3632.

**NURS 3322. HUMAN FACTORS IN HEALTHCARE. 3 Hours.**

This course provides an overview of human factors concepts and principles essential for healthcare professionals. Topics include the basics of patient safety and human factors principles in patient safety improvement at individual, team and organizational levels, such as psychological safety, visual design, and human performance limitations.

**NURS 3325. RN-BSN HOLISTIC CARE OF THE OLDER ADULT. 3 Hours.**

Introduction to gerontologic nursing principles and standards. Selected concepts and issues related to aging and its impact on society and health care. RN-BSN students only. Previously listed as NURS 3322. Prerequisite: NURS 3345.

**NURS 3333. PROMOTING HEALTHY LIFESTYLES. 3 Hours.**

Focus on health promotion and disease prevention strategies that promote healthy lifestyles and empower individuals, families, and populations to achieve optimal health and wellness. The role of the nurse in health promotion is emphasized. Students will examine the impact of nurses' overall wellness on patient safety. Prerequisite: Acceptance into the upper division nursing program.

**NURS 3335. RN-BSN PROMOTING HEALTHY LIFESTYLES. 3 Hours.**

Focus on health promotion and disease prevention strategies that promote healthy lifestyles and empower individuals, families, and populations to achieve optimal health and wellness. The role of the nurse in health promotion is emphasized. Students will examine the impact of nurses' overall wellness on patient safety. RN-BSN students only. Previously NURS 3435. Prerequisite: NURS 3345.

**NURS 3337. INDEPENDENT STUDY. 3 Hours.**

Topic and mode of study are agreed upon by the student and instructor. May be repeated with various topics. Must earn a grade of C or better for credit. Prerequisite: Consent of Instructor.

**NURS 3344. ENHANCING NURSING PRACTICE AND SAFETY WITH HISPANIC PATIENTS THROUGH BETTER COMMUNICATION. 3 Hours.**

Explores and augments the understanding of factors which facilitate or inhibit effective communication with Spanish-speaking clients. Focus on vocabulary specific to assessment and intervention with persons whose primary language is Spanish.

**NURS 3345. ROLE TRANSITION TO PROFESSIONAL NURSING. 3 Hours.**

Course addresses the role transition to Professional Nursing, nursing theory, ethics, decision making, critical thinking/clinical judgment, introduction to evidence-based practice, and informatics/technology in practice. Identifies strategies for personal and professional empowerment. Prerequisite: Admission into nursing degree program.

**NURS 3347. SPECIALIZED TOPICS IN NURSING. 3 Hours.**

Areas of special interest. May be repeated with varied topics. Must earn a C or better to earn credit.

**NURS 3352. THE LEGACY OF THE FAMILY. 3 Hours.**

Explore and enhance understanding and application of the principles of family science knowledge in therapeutic relationships with families across the lifespan.

**NURS 3365. PHARMACOLOGY IN NURSING PRACTICE. 3 Hours.**

Introduction to current concepts of pharmacology and their relationship to nursing practice. Included are basic principles of drug actions, side effects for major drug classifications, and the role of the nurse in drug therapeutics. Must be taken no more than three years prior to acceptance into the nursing program. Prerequisite: BIOL 2457, BIOL 2458, CHEM 1451.



**NURS 3366. PATHOPHYSIOLOGIC PROCESSES: IMPLICATIONS FOR NURSING. 3 Hours.**

Pathophysiologic alterations, their interactions, and effects on persons across the life span as a basis for therapeutic nursing interventions. Must be taken no more than three years prior to acceptance into the nursing program. Prerequisite: BIOL 2457, BIOL 2458, CHEM 1451.

**NURS 3375. RN-BSN HEALTH POLICY, LEGAL ASPECTS AND INFORMATICS IN NURSING. 3 Hours.**

This course provides an introduction to legal and ethical concepts, values, and behaviors necessary for transitioning to a professional nursing role. Topics include health care policy development, legal overview and peer-review process, health care informatics, economic and political issues, laws, rules, challenges, boundaries, malpractice and societal issues and trends influencing health care. Prerequisite: NURS 3345.

**NURS 3381. PSYCHIATRIC MENTAL HEALTH NURSING OF INDIVIDUALS, FAMILIES, AND GROUPS. 3 Hours.**

Application of the nursing process with emphasis on critical thinking, therapeutic nursing interventions, and effective communication and interpersonal skills as they relate to persons with psychiatric mental health conditions. Prerequisite: NURS 3632, NURS 3320 and NURS 3333.

**NURS 3437. INDEPENDENT STUDY. 4 Hours.**

Topic and mode of study are agreed upon by the student and instructor. May be repeated with various topics. Must earn C or better for credit. Prerequisite: Consent of instructor.

**NURS 3447. SPECIALIZED TOPICS IN NURSING. 4 Hours.**

Areas of special interest. May be repeated with varied topics. Must earn C or better for credit. Prerequisite: Consent of instructor.

**NURS 3537. INDEPENDENT STUDY. 5 Hours.**

Topic and mode of study are agreed upon by the student and instructor. May be repeated with various topics. Must earn C or better for credit. Prerequisite: Consent of instructor.

**NURS 3547. SPECIALIZED TOPICS IN NURSING. 5 Hours.**

Areas of special interest. May be repeated with varied topics. Must earn C or better for credit. Prerequisite: Junior standing and consent of instructor.

**NURS 3632. CLINICAL NURSING FOUNDATIONS. 6 Hours.**

Basic therapeutic nursing interventions with individuals and families in diverse settings using nursing process framework. Prerequisite: or Corequisite: NURS 3320.

**NURS 3637. INDEPENDENT STUDY. 6 Hours.**

Topic and mode of study are agreed upon by the student and instructor. May be offered with any combination of lecture/lab hours. May be repeated with various topics. Must earn C or better for credit. Prerequisite: Consent of instructor.

**NURS 3647. SPECIALIZED TOPICS IN NURSING. 6 Hours.**

Areas of special interest. May be repeated with varied topics. Must earn C or better for credit. Prerequisite: junior standing and consent of instructor.

**NURS 3661. NURSING OF ADULTS. 6 Hours.**

Application of the nursing process with emphasis on critical thinking, therapeutic nursing interventions, and effective communication for persons experiencing medical-surgical problems. Theory and clinical application in diverse settings. Prerequisite: NURS 3632, NURS 3320 and NURS 3333.

**NURS 4100. COOPERATIVE NURSING WORK EXPERIENCE. 1 Hour.**

Designed for nursing cooperative education students to integrate classroom study with career-related practical experience in the workplace. Prerequisite: Consent of instructor.

**NURS 4199. ROLE DEVELOPMENT IN PROFESSIONAL NURSING SEMINAR. 1 Hour.**

The course addresses professional nursing role development integrating concepts of professional comportment. Prerequisite: NURS 3661, NURS 3381.

**NURS 4200. COOPERATIVE NURSING WORK EXPERIENCE. 2 Hours.**

Designed for nursing cooperative education students to integrate classroom study with career-related practical experience in the workplace. Prerequisite: Consent of instructor.

**NURS 4300. COOPERATIVE NURSING WORK EXPERIENCE. 3 Hours.**

Designed for nursing cooperative education student to integrate classroom study with career-related practical experience in the workplace. Prerequisite: NURS-EL 3300 or NURS 3300.

**NURS 4323. HEALTH POLICY, LEGAL ASPECTS AND INFORMATICS IN NURSING. 3 Hours.**

This course provides an introduction to legal and ethical concepts, values, and behaviors necessary for transitioning to a professional nursing role. Topics include health care policy development, legal overview and peer-review process, health care informatics, economic and political issues, laws, rules, challenges, boundaries, malpractice and societal issues and trends influencing health care. Prerequisite: NURS 4331 and NURS 4341 OR NURS 4331 and NURS 4581 OR NURS 4341 and NURS 4581.

**NURS 4325. RN-BSN NURSING RESEARCH. 3 Hours.**

Basic concepts, processes and applications of nursing research. Research role of the nurse in decision making and clinical practice. RN-BSN students only. Prerequisite: ENGL 2338 or equivalent, Math 1308 or equivalent, and NURS 3345 or NURS 3645.

**NURS 4331. NURSING OF CHILDREN AND ADOLESCENTS. 3 Hours.**

Nursing care for infants, children, adolescents, and their families. Theory and clinical application in diverse settings. Prerequisite: NURS 3661, NURS 3381, NURS 3321.

**NURS 4341. NURSING OF THE CHILDBEARING FAMILY. 3 Hours.**

Application of the nursing process with emphasis on critical thinking, communication and therapeutic nursing interventions as related to care of individuals and families during the childbearing experience. Prerequisite: NURS 3381, NURS 3661, NURS 3321.

**NURS 4350. CAPSTONE: TRANSITION TO PROFESSIONAL NURSING. 3 Hours.**

Focus on the synthesis of knowledge acquired throughout the curriculum and the enactment of the professional nurse role in a concentrated practicum. Prerequisite: or Corequisite: NURS 4351, NURS 4462, NURS 4323.

**NURS 4351. BSN NURSING LEADERSHIP AND MANAGEMENT. 3 Hours.**

Exploration of organizational strategies, leadership theories and societal trends with implications for decision making in health care. Introduction to management skills needed by professional nurses in diverse settings. Prerequisites: NURS 4331, NURS 4341, NURS 4581.

**NURS 4393. NURSING CERTIFICATION. 3 Hours.****NURS 4455. RN-BSN NURSING LEADERSHIP & MANAGEMENT. 4 Hours.**

Exploration of organizational strategies, leadership theories and societal trends with implications for decision making in health care. Introduction to management skills needed by professional nurses with clinical application in diverse settings. RN-BSN students only. Prerequisite: NURS 3345.

**NURS 4462. POPULATION AND COMMUNITY HEALTH NURSING. 4 Hours.**

Integrate knowledge from nursing theory and public health science in assessing health care needs of aggregates, communities, and society. Prerequisite: NURS 4331, NURS 4341, NURS 4581.

**NURS 4465. RN-BSN POPULATION AND COMMUNITY HEALTH NURSING. 4 Hours.**

Integrates knowledge from nursing theory and public health science in assessing health care needs of aggregates, communities, and society for the Registered Nurse. RN-BSN students only. Prerequisite: NURS 3345.

**NURS 4581. NURSING OF ADULTS WITH COMPLEX NEEDS. 5 Hours.**

Use of critical thinking, therapeutic nursing interventions and communication skills in promoting quality of life for persons with complex health needs. Application of nursing roles in diverse settings. Prerequisite: NURS 3661, NURS 3381, NURS 3321, NURS 3261.

**NURS 4685. RN-BSN CAPSTONE. 6 Hours.**

Synthesis of knowledge acquired in the RN-BSN curriculum and development of the Nurse Role with evolving professional issues, health care environment, lifelong learning, and promotion of the Nursing profession designed for Registered Nurses RN-BSN student only. Prerequisite: NURS 4325, NURS 4455 Corequisite: NURS 4465.

**NURS 5110. NEONATAL ASSESSMENT LAB. 1 Hour.**

Conduct comprehensive health assessment in the neonatal population. Prerequisite: NURS 5220 or concurrent enrollment or permission of instructor or Certificate Program Standing.

**NURS 5112. THERAPY CONCEPTS FOR PSYCHIATRIC MENTAL HEALTH NURSE PRACTITIONERS. 1 Hour.**

This course provides evidenced based practice principles of non-pharmacological individual, family and group therapies for psychiatric disorders and mental health problems across the lifespan. Prerequisite: NURS 5315, NURS 5410 or concurrent enrollment, NURS 5140 or concurrent enrollment, or Certificate Program Standing.

**NURS 5120. ADULT-GERONTOLOGY ASSESSMENT LAB. 1 Hour.**

Conduct comprehensive health assessment in the adult-gerontology population. Prerequisite: NURS 5220 or concurrent enrollment or Certificate Program Standing.

**NURS 5130. PEDIATRIC ASSESSMENT LAB. 1 Hour.**

Conduct comprehensive health assessment in the pediatric population. Prerequisite: NURS 5220 or concurrent enrollment or Certificate Program Standing.

**NURS 5140. PSYCHIATRIC ASSESSMENT LAB FOR THE PSYCHIATRIC MENTAL HEALTH NURSE PRACTITIONER. 1 Hour.**

Introduces the PMHNP student to the psychiatric mental health assessment applied to the pediatric, adult, and geriatric patient with a mental health disorder through knowledge acquisition and skill development. Prerequisite: NURS 5220, NURS 5120, and NURS 5130, NURS 5410 or concurrent enrollment, NURS 5112 or concurrent enrollment, or Certificate Program Standing.

**NURS 5150. ADVANCED CARE OF A CLIENT POPULATION. 1 Hour.**

Conduct comprehensive advanced health assessments of a client population and provide a teaching intervention of a priority health need. Prerequisite: NURS 5220 or concurrent enrollment or Certificate Program Standing.

**NURS 5170. INDEPENDENT STUDY IN NURSING. 1 Hour.**

Detailed in-depth study in a specific topic area. Topic and mode of study are agreed upon by student(s) and instructor prior to registration. May be repeated for credit when topics vary. Graded F, P, R. Prerequisite: Graduate standing.

**NURS 5190. TOPICS IN NURSING. 1 Hour.**

Selected topics in advanced nursing. May be repeated for credit as topics change.

**NURS 5204. NEONATAL NURSING I. 2 Hours.**

Clinical management of the high-risk neonate with a focus on the perinatal and transition periods as well as stabilization of the ill newborn at birth. Includes fluid and electrolyte management, nutrition, and identification of the indications and complications associated with invasive skills and procedures relevant to the high-risk neonate. Prerequisite: NURS 5315; NURS 5316 or NURS 5220 or concurrent enrollment and NURS 5110 or concurrent enrollment or Certificate Program Standing.

**NURS 5213. PSYCHOPHARMACOLOGY FOR THE PSYCHIATRIC MENTAL HEALTH NURSE PRACTITIONER. 2 Hours.**

This course provides advanced study of clinical psycho-pharmacological therapeutics for the psychiatric mental health nurse practitioner. Foundations of advanced psychopharmacology in common and complex mental health disorders and conditions in populations across the lifespan are explored. Prerequisite: NURS 5334, NURS 5410, NURS 5140, NURS 5112, NURS 5222 or concurrent enrollment, NURS 5223 or concurrent enrollment.

**NURS 5220. ADVANCED HEALTH ASSESSMENT AND DIAGNOSTIC REASONING. 2 Hours.**

Apply theoretical foundations of comprehensive health assessment across the lifespan. Prerequisite: Graduate or Certificate Program Standing. NURS 5315 or Special Permission.

**NURS 5222. CHILD, ADOLESCENT, AND SPECIAL POPULATIONS PSYCHIATRIC MENTAL HEALTH FOR THE PMHNP. 2 Hours.**

This course provides the scientific foundations and evidence-based practice principles necessary for managing children, adolescents, and special populations (and/or at risk for) various commonly occurring and complex psychiatric disorders and mental health problems as well as comorbid medical illnesses. Prerequisite: NURS 5410, NURS 5213, NURS 5112, NURS 5223 or concurrent enrollment, or Certificate Program Standing.

**NURS 5223. ADULT AND GERIATRIC PSYCHIATRIC MENTAL HEALTH FOR THE PMHNP. 2 Hours.**

This course provides the scientific foundations and evidence-based practice principles necessary for managing adult and geriatric populations with (and/or at risk) for commonly occurring and complex psychiatric disorders and mental health problems as well as co-morbid medical illnesses. Prerequisite: NURS 5410, NURS 5140, NURS 5213 or concurrent enrollment, NURS 5222 or concurrent enrollment, or Certificate Program Standing.

**NURS 5270. INDEPENDENT STUDY IN NURSING. 2 Hours.**

Detailed in-depth study in a specific topic area. Topic and mode of study are agreed upon by student(s) and instructor prior to registration. May be repeated for credit when topics vary. Graded F, P, R. Prerequisite: Graduate Standing and permission of instructor.

**NURS 5290. TOPICS IN NURSING. 2 Hours.**

Selected topics in advanced nursing. May be repeated for credit as topics change.

**NURS 5302. CURRICULUM DEVELOPMENT IN NURSING EDUCATION. 3 Hours.**

Explore the nature of nursing education. Focus on the curriculum process and its application to nursing education programs. Prerequisite: Graduate standing.

**NURS 5308. NURSING INFORMATICS. 3 Hours.**

Focus on application of computer technology that supports the dissemination of health care data, information and knowledge. Selected software packages/applications are presented and used. Prerequisite: NURS 5367.

**NURS 5310. TEACHING AND LEARNING THEORIES AND STRATEGIES IN NURSING EDUCATION. 3 Hours.**

Teaching/Learning theories, strategies, and evaluation for educators. Prerequisite: Graduate standing.

**NURS 5311. NURSING MANAGEMENT IN THE HEALTH CARE ENVIRONMENT. 3 Hours.**

Considers development of management and organizational theories as applied to health care organizations and their environment. Prerequisite: NURS 5367.

**NURS 5312. ASSESSMENT AND EVALUATION STRATEGIES IN NURSING EDUCATION. 3 Hours.**

Integration of concepts of assessment and evaluation into a nursing evaluation framework. Prerequisite: Graduate standing.

**NURS 5315. ADVANCED PATHOPHYSIOLOGY. 3 Hours.**

Builds on a previous understanding of anatomy and physiology and focuses on developing advanced knowledge of physiologic and pathophysiologic concepts across the life span. Prerequisite: Graduate Standing.

**NURS 5318. ADVANCED PATHOPHYSIOLOGY FOR NURSE EDUCATORS. 3 Hours.**

This course develops advanced knowledge of pathophysiology. Principles of advanced physiology and pathophysiology are applied to disease processes, plans of care, and teaching plans. This course prepares Nurse Educators to educate clients, students, colleagues to facilitate patients and/or their support systems understanding of the disease process plan of care. Prerequisite: NURS 5367 and NURS 5310 and NURS 5329 and NURS 5302 and NURS 5312.

**NURS 5319. ADVANCED PHARMACOLOGY FOR NURSE EDUCATORS. 3 Hours.**

This course develops advanced knowledge of clinical pharmacological therapeutics through the evaluation of classes of drugs and pharmacologic plans of care. This course prepares Nurse Educators to educate clients, students, and colleagues to facilitate patients and/or their support systems understanding of the pharmacologic plan of care. Prerequisite: NURS 5318.

**NURS 5324. PSYCHIATRIC MENTAL CLINICAL PRACTICE I. 3 Hours.**

This course provides application of theoretical knowledge and clinical skills to patients with commonly occurring psychiatric and mental health disorders across the life span in the context of advanced nursing practice. Prerequisite: NURS 5222 and NURS 5223 or Certificate Program Standing. Good academic standing (GPA 3.0).

**NURS 5325. PSYCHIATRIC MENTAL HEALTH CLINICAL PRACTICE II. 3 Hours.**

This course provides application of theoretical knowledge and clinical skills to patients with various commonly occurring and complex psychiatric and mental health disorders across the life span in the context of advanced nursing practice. Prerequisite: NURS 5324 or concurrent enrollment, or Certificate Program Standing. Good academic standing (GPA 3.0).

**NURS 5327. EXPLORATION OF SCIENCE AND THEORIES FOR NURSING. 3 Hours.**

This course provides a critical examination of the philosophical and theoretical bases for nursing science. Prerequisite: Graduate standing.

**NURS 5329. ROLE OF THE NURSE EDUCATOR. 3 Hours.**

Investigation of the roles and functions of the nurse educator. Prerequisite: Graduate program standing.

**NURS 5334. ADVANCED PHARMACOLOGY FOR NURSE PRACTITIONERS. 3 Hours.**

Study of clinical pharmacological therapeutics for advanced nursing practice. Prerequisites: NURS 5315 or Certificate Program Standing.

**NURS 5337. FAMILY CLINICAL PRACTICE 1. 3 Hours.**

Initial clinical preceptorship in selected primary health practice sites with opportunities to apply knowledge and concepts of advanced nursing practice implementing the family nurse practitioner role in evidenced based patient care. Prerequisite: NURS 5432, NURS 5433, NURS 5434 and Good academic standing (GPA 3.0) or certificate program standing.

**NURS 5338. FAMILY CLINICAL PRACTICE 2. 3 Hours.**

Continued clinical preceptorship with opportunities for increased clinical knowledge in selected primary health practice sites with opportunities to apply knowledge and concepts of advanced nursing practice implementing the family nurse practitioner role in evidenced based patient care. Prerequisite: NURS 5432, NURS 5433, NURS 5434, NURS 5337 or concurrent enrollment; Good academic standing (GPA 3.0) or Certificate Program standing.

**NURS 5339. ROLES AND FUNCTIONS OF THE NURSE ADMINISTRATOR. 3 Hours.**

Examine and implement administrative and managerial roles in health care organizations. Prerequisite: NURS 5311.

**NURS 5340. MANAGEMENT SEMINAR AND PRACTICE. 3 Hours.**

Synthesize management, organizational, and leadership concepts and theories in selected health care settings. Prerequisite: NURS 5308; NURS 5311; NURS 5339; NURS 5341; NURS 5343; NURS 5342; NURS 5382. Good Academic Standing (3.0 GPA).

**NURS 5341. FINANCIAL MANAGEMENT IN NURSING. 3 Hours.**

Analyze and apply financial management concepts to financial planning, budgeting, and reimbursement systems in health care. Prerequisite: NURS 5311 or admission into Masters of Science in Health Informatics (MSH-HI) program.

**NURS 5342. MANAGEMENT OF NURSING OPERATIONS. 3 Hours.**

Examine strategic planning for health care systems. Prerequisite: NURS 5311 or admission into Masters of Science in Health Informatics (MSN-HI) program.

**NURS 5343. NURSING LEADERSHIP AND COMPLEX HEALTH CARE SYSTEMS. 3 Hours.**

Analyze leadership strategies in current and predicted health care systems including dimensions of workforce and workplace issues, leadership, and evidenced-based decision-making. Prerequisite: NURS 5367.

**NURS 5348. NURSING CARE AT THE END OF LIFE. 3 Hours.**

Addresses concepts of palliative care of patients with life limiting disease and their families. Explores the physiology of end stage disease processes, clinical approaches to pain and symptom management, societal issues and trends in end of life care, models of care delivery and the impact of personal values and beliefs about death. Prerequisite: Graduate Standing.

**NURS 5350. ROLE OF THE NURSE IN ADVANCED PRACTICE. 3 Hours.**

Theory and application of the multiple roles of the advanced practice nurse within the health care system. Prerequisite: Graduate Standing.

**NURS 5352. ADULT GERONTOLOGY PRIMARY CARE CLINICAL PRACTICE 1. 3 Hours.**

Clinical experience in primary and long term health care settings with focus on managing adolescents, adults, and elders with common episodic acute and chronic health care needs. Prerequisite: NURS 5462 or concurrent enrollment; Good academic standing (GPA 3.0) or certificate program standing.

**NURS 5353. ADULT GERONTOLOGY PRIMARY CARE CLINICAL PRACTICE 2. 3 Hours.**

Continued clinical experience in primary and long term health care settings with focus on managing adolescents, adults, and elders with common episodic acute and chronic health care needs. Prerequisite: NURS 5462 and NURS 5352 or concurrent enrollment and Good academic standing (GPA 3.0) or certificate program standing.

**NURS 5354. ADULT GERONTOLOGY ACUTE CARE CLINICAL PRACTICE 1. 3 Hours.**

Clinical experience in specialty practice and high acuity health care settings with focus on managing adolescents, adults, and elders with common secondary and tertiary health care needs. Prerequisite: NURS 5463 or concurrent enrollment and Good academic standing (GPA 3.0) or certificate program standing.

**NURS 5355. ADULT GERONTOLOGY ACUTE CARE CLINICAL PRACTICE 2. 3 Hours.**

Continued clinical experience in specialty practice and high acuity health care settings with focus on managing adolescents, adults, and elders with common secondary and tertiary health care needs. Prerequisite: NURS 5354 or concurrent enrollment; Good academic standing (GPA 3.0) or certificate program standing.

**NURS 5356. GLOBAL HEALTH POLICY, HEALTH LITERACY, AND MODELS OF CARE FOR OLDER ADULTS. 3 Hours.**

This course will focus on healthcare policy issues and models of healthcare delivery for older adults at the state, national and global levels. Prerequisite: Graduate Standing.

**NURS 5357. ADVANCED CLINICAL MANAGEMENT OF OLDER ADULTS WITH COMPLEX MULTIMORBIDITY. 3 Hours.**

This course will focus upon an inter-professional approach to develop advanced knowledge in the chronic health care management of older adults, their families, and communities in a variety of health care settings. Prerequisite: Graduate Standing or permission of instructor.

**NURS 5358. ADVANCED CLIN MGMT OF OLDER ADULTS W/COMPLEX MULTIMORBIDITY DURING ACUTE ILLNESS CRISIS. 3 Hours.**

This course will focus upon an inter-professional approach to develop advanced knowledge in aging issues and paradigms of care for the older adult; in addition, this course will accentuate the management of older adults with acute health problems, their families, and communities in a variety of health care settings. Prerequisite: Graduate Standing or permission of instructor.

**NURS 5360. SIMULATION APPLICATION IN NURSING. 3 Hours.**

Application of and active learning strategies in nursing education. Prerequisite: NURS 5367, NURS 5220.

**NURS 5362. TEACHING PRACTICUM. 3 Hours.**

Nursing education preceptorship in selected health care sites with opportunities to apply clinical and educational knowledge, skills, and concepts in a guided, progressive context of nursing education. Graded F,R,P,W. Prerequisite: Completion of all courses in the Nursing Education Program and Good academic standing (GPA 3.0).

**NURS 5366. PRINCIPLES OF RESEARCH IN NURSING. 3 Hours.**

This course focuses on integration of theoretical and empirical principles of nursing research to generate evidence for nursing practice. Prerequisite: Graduate Standing.

**NURS 5367. EVIDENCE BASED PRACTICE. 3 Hours.**

Preparation to lead evidence-based practice teams, to interpret best evidence, to plan for change, to evaluate outcomes, and to disseminate the project. Prerequisite: Graduate standing; NURS 5366 and NURS 5327.

**NURS 5370. INDEPENDENT STUDY IN NURSING. 3 Hours.**

Detailed in-depth study in a specific topic area. Topic and mode of study are agreed upon by student(s) and instructor prior to registration. May be repeated for credit when topics vary. Graded F,R,P,W. Permission of instructor. Graduate standing.

**NURS 5371. PEDIATRIC PRIMARY CARE CLINICAL PRACTICE 1. 3 Hours.**

Initial clinical preceptorship in selected primary health practice sites with opportunities to apply knowledge and concepts of advanced nursing practice implementing the pediatric nurse practitioner role in evidenced based patient care. Prerequisite: NURS 5465. Good academic standing (GPA 3.0) or Certificate program standing.

**NURS 5372. PEDIATRIC PRIMARY CARE CLINICAL PRACTICE 2. 3 Hours.**

Continue clinical preceptorship in selected primary health practice sites with opportunities to apply knowledge and concepts of advanced nursing practice implementing the pediatric nurse practitioner role in evidenced based patient care. Prerequisite: NURS 5371 or concurrent enrollment. Good academic standing (GPA 3.0) or Certificate Program Standing.

**NURS 5373. PEDIATRIC ACUTE CARE CLINICAL PRACTICE 1. 3 Hours.**

Initial clinical preceptorship in selected acute and chronic care health practice sites with opportunities to apply knowledge and concepts of advanced nursing practice implementing the pediatric acute care nurse practitioner role in evidenced based patient care. Prerequisite: NURS 5467 or concurrent enrollment. NURS 5466 or concurrent enrollment. Good academic standing (GPA 3.0) or Certificate program standing.

**NURS 5374. PEDIATRIC ACUTE CARE CLINICAL PRACTICE 2. 3 Hours.**

Continue clinical preceptorship in selected acute and chronic care health practice sites with opportunities to apply knowledge and concepts of advanced nursing practice implementing the pediatric nurse practitioner role in evidenced based patient care. Prerequisite: NURS 5466; NURS 5373 or concurrent enrollment. Good academic standing (GPA 3.0) or Certificate program standing.

**NURS 5380. INDEPENDENT STUDY IN RESEARCH. 3 Hours.**

Detailed study and participation in a faculty sponsored research project. Topic and mode of study are agreed upon by the student and instructor prior to registration. Permission of instructor. Graded F,R,P,W.

**NURS 5382. NURSING AND HEALTH CARE POLICY: ISSUES AND ANALYSIS. 3 Hours.**

Analyze historical, current, and predicted national, state, and local health care policy processes. Prerequisite: NURS 5367.

**NURS 5388. STATISTICS FOR HEALTH CARE. 3 Hours.**

This course provides students with the basic knowledge and skills to effectively use biostatistics in different research design and data analysis, and to understand articles in related professional journals. Topics include choosing correct statistical methods and study designs in nursing research and practice; descriptive statistics; probability and probability distributions; estimation and hypothesis testing, simple linear regression, introduction to analysis of variance and an introduction to the use of statistical software packages. Prerequisite: Undergraduate Statistics.

**NURS 5390. TOPICS IN NURSING. 3 Hours.**

Selected topics in advanced nursing. May be repeated for credit as topics change.



**NURS 5392. GENOMICS AND NANOTECHNOLOGY IN HEALTH CARE PRACTICE. 3 Hours.**

Genomics and nanotechnology are emerging as principal drivers to improve human diagnosis and treatment modalities. This course is designed to introduce tools used in these fields. Health care outcomes, in relation to innovations produced from these fields, will be described. Prerequisite: Graduate standing.

**NURS 5393. ADVANCED CLINICAL NURSING PRACTICE I. 3 Hours.**

Development of advanced knowledge base of specialized clinical concepts and the application of this knowledge in selected clinical areas. Prerequisite: Graduate standing.

**NURS 5395. HEART FAILURE PATHOPHYSIOLOGY AND EXERCISE REHABILITATION. 3 Hours.**

The goal of this course is to provide students with fundamental knowledge related to heart failure (HF) pathophysiology, and the role of evidence based exercise rehabilitation to improve overall health related physical fitness and quality of life. Prerequisite: Graduate Standing or Approval of Instructor.

**NURS 5396. CURRENT BIOTECHNOLOGY IN HEALTH CARE. 3 Hours.**

The goal of this course is to provide students with fundamental knowledge and current advances of biotechnology in medicine and healthcare, and train them how to apply these new technologies in their pertinent fields. Prerequisite: Graduate Standing. Approval of instructor.

**NURS 5397. ETHICAL RESEARCH AND THE PROPOSED IRB/IACUC PROTOCOL. 3 Hours.**

Ethical research practices that the learner will be able to demonstrate through a written research protocol using good clinical practice (GCP) to ensure protection of subjects/animals. Related topics include social-behavioral and biomedical research certifications, and issues related to scientific misconduct. Prerequisite: Graduate standing or permission of instructor.

**NURS 5398. THESIS. 3 Hours.**

Graded F,R.

**NURS 5410. INTRODUCTION TO PSYCHIATRIC MENTAL HEALTH FOR THE PMHNP. 4 Hours.**

This course provides the neuroscientific foundations for various psychiatric disorders and mental health problems across the lifespan. An analysis of the relationships between the neurobiology, neurophysiology, genetic, and epigenetic aspects of various psychiatric disorders and mental health problems will be explored. Prerequisite: NURS 5315, NURS 5220, NURS 5120, NURS 5130, or Certificate Program Standing.

**NURS 5432. FAMILY I. 4 Hours.**

This course focuses on advanced concepts and knowledge for nurse practitioner primary care management of designated acute, chronic and complex health problems of individuals and families across the lifespan. Particular emphasis will be on pediatric wellness, women's health, men's health, and geriatrics concepts and conditions. Prerequisite: NURS 5418 or NURS 5220 and NURS 5120 and NURS 5130; NURS 5334 or Certificate Program standing.

**NURS 5433. FAMILY II. 4 Hours.**

This course focuses on advanced concepts and knowledge for nurse practitioner primary care management of commonly occurring conditions seen in primary care patients across the lifespan. Prerequisite: NURS 5418 or NURS 5220 and NURS 5120 and NURS 5130; NURS 5334 or Certificate Program standing.

**NURS 5434. FAMILY III. 4 Hours.**

This course focuses on advanced concepts and knowledge for nurse practitioner primary care management of designated acute, chronic and complex health problems of individuals and families across the lifespan. Particular emphasis will be on adult wellness, psychiatric, and cardiometabolic concepts and conditions. Prerequisite: NURS 5418 or NURS 5220 and NURS 5120 and NURS 5130; NURS 5334 or Certificate Program standing.

**NURS 5447. NEONATAL NURSING III. 4 Hours.**

This course focuses on advanced concepts of pharmacological and technological therapies and evidence based knowledge for the management of designated complex acute and chronic health problems affecting infants (birth to 2 years of age) and their families including ethical issues. Prerequisite: NURS 5537 or Certificate Program Standing.

**NURS 5450. NEONATAL NP CLINICAL PRACTICE. 4 Hours.**

Integration of clinical management of the high-risk neonate through clinical preceptorships in selected health practice sites with application of knowledge, skills and concepts in a guided, progressive context of advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisites: NURS 5334 and NURS 5316 or NURS 5220 and NURS 5110 and NURS 5204 and NURS 5537 or concurrent enrollment and Good academic standing (GPA 3.0) or Certificate Program Standing.

**NURS 5461. ADULT GERONTOLOGY MANAGEMENT ACROSS THE CONTINUUM OF CARE. 4 Hours.**

Foundations of advanced knowledge of common acute and chronic health problems in adolescents, adults, and elders across health care settings. Prerequisite: NURS 5220; NURS 5120 and NURS 5334, and NURS 5367 or concurrent enrollment, or Certificate Program Standing.

**NURS 5462. ADULT GERONTOLOGY PRIMARY CARE. 4 Hours.**

Focus on an inter-professional approach and the development of advanced knowledge in the primary care management of adults from adolescence through old age, their families, and communities in a variety of health care settings. Prerequisite: NURS 5461 or Certificate Program Standing.

**NURS 5463. ADULT GERONTOLOGY ACUTE CARE. 4 Hours.**

Focuses on a collaborative, inter-professional approach in the evaluation, diagnosis, and management of adolescents, adults, and gerontological patients who are experiencing acute, critical, and complex chronic illnesses across the continuum of care. Prerequisite: NURS 5461 or Certificate Program Standing.

**NURS 5465. PRIMARY PEDIATRIC CARE. 4 Hours.**

This course focuses on advanced concepts and knowledge for nurse practitioners management of designated minor acute, chronic and chronic health problems of pediatric patients and their families in primary care healthcare settings. Prerequisite: NURS 5334; NURS 5220; NURS 5130; NURS 5367 or concurrent enrollment.

**NURS 5466. PEDIATRIC ACUTE CARE. 4 Hours.**

This course focuses on advanced concepts and knowledge for nurse practitioner management of designated critical, acute, chronic and complex health problems of pediatric patients and their families in an acute care facility. Prerequisite: NURS 5465.

**NURS 5467. PEDIATRIC COMPLEX CARE. 4 Hours.**

This course focuses on advanced concepts and knowledge for nurse practitioner management of designated acute, chronic and complex health problems of pediatric patients and their families in multiple healthcare settings. Prerequisite: NURS 5465 or concurrent enrollment or Certificate program standing.

**NURS 5470. INDEPENDENT STUDY IN NURSING. 4 Hours.**

Detailed in-depth study in a specific topic area. Topic and mode of study are agreed upon by student(s) and instructor prior to registration. May be repeated for credit when topics vary. Prerequisite: Permission of instructor. Graded F,R,P,W.

**NURS 5537. NEONATAL NURSING II. 5 Hours.**

This course focuses on advanced concepts of pharmacological and technological therapies and evidence based knowledge for the management of designated complex, acute health problems affecting infants (birth to 2 years of age). Graded (A,B,C,D,F,I,W). Prerequisite: NURS 5204 and NURS 5334 and NURS 5316 or NURS 5220 and NURS 5110; NURS 5367 or concurrent enrollment or Certificate Program Standing.

**NURS 5610. NEONATAL NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of neonatal advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisite: NURS 5447 and NURS 5450. Good Academic Standing (GPA 3.0) or Certificate Program Standing.

**NURS 5640. ADULT GERONTOLOGY ACUTE CARE NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of adult gerontology acute care advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisite: For NURS 5640: NURS 5354 and NURS 5355. Good Academic Standing (GPA 3.0) or Certificate Program Standing. For NURSC 5640: NURSC 5354 and NURSC 5355. Good Academic Standing (GPA 3.0) or Certificate Program Standing.

**NURS 5645. ADULT GERONTOLOGY PRIMARY CARE NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of adult gerontology primary care advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisite: For NURS 5645: NURS 5352 and NURS 5353. Good Academic Standing (GPA 3.0) or Certificate Program Standing. For NURSC 5645: NURSC 5352 and NURSC 5353. Good Academic Standing (GPA 3.0) or Certificate Program Standing.

**NURS 5650. PSYCHIATRIC MENTAL HEALTH NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of family psychiatric mental health care advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisite: NURS 5324 and NURS 5325. Good Academic Standing (GPA 3.0) or Certificate Program Standing.

**NURS 5660. FAMILY NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of Family Primary Care Advanced Nursing Practice. The ratio of credit to clinical hours is 1:4. Prerequisite: For NURS 5660: NURS 5337 and NURS 5338. Good Academic Standing (GPA 3.0) or Certificate Program Standing. For NURSC 5660: NURSC 5337 and NURSC 5338. Good Academic Standing (GPA 3.0) or Certificate Program Standing. For NURSG: NURSG 5337 and NURSG 5338. Good Academic Standing (GPA 3.0) or Certificate Program Standing.

**NURS 5670. INDEPENDENT STUDY IN NURSING. 6 Hours.**

Detailed in-depth study in a specific topic area. Topic and mode of study are agreed upon by student(s) and instructor prior to registration. May be repeated for credit when topics vary. Prereq: Permission of instructor. Graded F,R,P,W.

**NURS 5680. PEDIATRIC ACUTE CARE NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of pediatric acute care advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisite: For NURS 5680: NURS 5373 and NURS 5374. Good Academic Standing (GPA 3.0) or Certificate Program standing. For NURSC 5680: NURSC 5373 and NURSC 5374. Good Academic Standing (GPA 3.0) or Certificate Program standing.

**NURS 5685. PEDIATRIC PRIMARY CARE NP ADVANCED PRACTICUM. 6 Hours.**

Clinical preceptorships in selected health practice sites with opportunities to apply knowledge, skills and concepts in a guided, progressive context of pediatric primary care advanced nursing practice. The ratio of credit to clinical hours is 1:4. Prerequisite: For NURS 5685: NURS 5371 and NURS 5372. Good Academic Standing (GPA 3.0) or Certificate Program Standing. For NURSC 5685: NURSC 5371 and NURSC 5372. Good Academic Standing (GPA 3.0) or Certificate Program Standing.

**NURS 5698. THESIS. 6 Hours.**

Graded F, R, P.

**NURS 6170. INDEPENDENT STUDY IN NURSING. 1 Hour.**

Detailed in-depth study in a specific topic area. Topic and mode of study are agreed upon by student(s) and instructor prior to registration. May be repeated for credit when topics vary. Graded F, R, P.

**NURS 6190. SPECIAL TOPICS IN NURSING. 1 Hour.**

Selected topics in advanced nursing. May be repeated for credit as topics change.

**NURS 6270. INDEPENDENT STUDY IN NURSING. 2 Hours.**

Detailed in-depth study in a specific topic area. Topic and mode of study are agreed upon by student(s) and instructor prior to registration. May be repeated for credit when topics vary. Graded F, R, P.

**NURS 6290. TOPICS IN NURSING. 2 Hours.**

Selected topics in advanced nursing. May be repeated for credit as topics change.

**NURS 6301. THEORETICAL EVOLUTION IN SCIENCE. 3 Hours.**

Philosophies of science and epistemologies, their influence on knowledge development for nursing practice, and strategies for theory development and analysis. Prerequisite: Graduate standing.

**NURS 6302. ISSUES IN STUDYING THE HEALTH OF CULTURALLY DIVERSE AND VULNERABLE POPULATIONS. 3 Hours.**

Social and cultural factors affecting health among sub-populations defined by age, education, gender, ethnicity, culture, religion, occupation, vulnerability, income and geography. Prerequisite: Graduate Standing. DNP or PhD program.

**NURS 6303. CULTURE OF SCIENCE. 3 Hours.**

Professional, ethical, legal, financial, and socio-political issues associated with the conduct and dissemination of research. Prerequisite: Graduate standing.

**NURS 6304. MEASUREMENT IN CULTURALLY DIVERSE AND VULNERABLE POPULATIONS. 3 Hours.**

This course presents the process involved in identifying different sources of data and variables and the use of conceptual models to influence choice and measurement of variables. The course presents the processes for identifying different sources of variables, designing, testing and/or selecting instruments, methods and procedures for measuring variables in clinical, educational and research settings. Prerequisite: NURS 6301, Theoretical Evolution in Science, or permission of instructor. Course is predicated on prior learning related to concept analysis, basic statistics including correlation.

**NURS 6305. QUALITATIVE RESEARCH. 3 Hours.**

Philosophical foundation for and methodological issues in using qualitative approaches for scientific and knowledge development. Prerequisite: Graduate standing.

**NURS 6306. RESEARCH DESIGN. 3 Hours.**

Application of advanced nursing research methods to design studies that improve health outcomes in culturally diverse populations. Prerequisites: NURS 6304 or permission of instructor.

**NURS 6307. POPULATION HEALTH. 3 Hours.**

This course focuses on analyzing determinants of health, then designing health strategies to improve outcomes of populations. Prerequisite: Doctoral Standing. Graduate Level Statistics (with minimum of a B). 6327 if in DNP Program.

**NURS 6308. STATE OF THE SCIENCE: BACKGROUND IN RESEARCH. 3 Hours.**

Application of criteria for appraising strengths and weaknesses of published studies; Synthesis of research literature on a selected topic. Prerequisite: Graduate standing.

**NURS 6311. MANUSCRIPT DEVELOPMENT FOR PUBLICATION. 3 Hours.**

This course provides a frame for which students focus their prose in order to disseminate their work to a broad audience of clinical, education, or research oriented practitioners. This course allows participants to critique peers' work to enhance their own skills as a peer reviewer, to enhance their career, and support other authors' writing efforts. The participants will write and explore the differences between peer reviewing and editing by critiquing sample review comments. Prerequisite: Approval of instructor. Doctoral Graduate standing.

**NURS 6318. PARAMETRIC STATISTICS FOR HEALTHCARE RESEARCH. 3 Hours.**

This course provides basic knowledge and skills to select the appropriate biostatistical analysis for different research designs, analyze data, interpret statistical results, and understand research articles in professional journals. Emphasis will be placed on common research designs in health care research; analysis of variance (ANOVA), factorial ANOVA, ANCOVA, MANCOVA, simple linear regression, multiple linear regression, and power analysis. Proficiency in the use of a statistical software package as well as a power analysis software package will be achieved. Prerequisite: Graduate-level introductory statistics course.

**NURS 6319. PSYCHOMETRIC AND NONPARAMETRIC STATISTICS FOR HEALTHCARE RESEARCH. 3 Hours.**

This course provides basic knowledge and skills to select the appropriate biostatistical analysis for different research designs, analyze data, interpret statistical results, and understand research articles in professional journals. Emphasis will be placed on reliability and validity of instruments commonly used in healthcare; assumptions testing including non-normality; nonparametric statistics for dependent samples and independent samples; logistic regression; and survival analysis. Proficiency in the use of a statistical software package will be achieved. Prerequisite: Graduate-level introductory statistics course.

**NURS 6320. LEADERSHIP IN HEALTH CARE SYSTEMS. 3 Hours.**

This course focuses on the DNP nurse influencing health systems change at any level. Prerequisite: Doctoral Standing. Prerequisite or co-requisite with NURS 6327 if full time.

**NURS 6322. TRANSLATIONAL RESEARCH. 3 Hours.**

This course provides a review of core research concepts as a foundation for evidence appraisal and translation. New practice-based clinical inquiry methods and strategies are explored to promote translation science for application in the DNP role. Prerequisite: Doctoral Standing. Graduate Level Statistics (with minimum of a B). NURS 6327, NURS 6320.

**NURS 6323. EVIDENCE APPRAISAL. 3 Hours.**

In this course, students will use analytical methods to critically appraise existing research and literature to select and implement the best evidence for practice. Prerequisite: Doctoral Standing. Graduate Level Statistics (with minimum of a B). NURS 6327, NURS 6320, and NURS 6322.

**NURS 6324. CLINICAL INFORMATION SYSTEMS. 3 Hours.**

This course focuses on the selection, assessment, and use of information systems, technology, and data to evaluate and monitor outcomes of care, care systems, and quality improvement. Prerequisite: Doctoral Standing. Graduate Level Statistics (with minimum of a B) NURS 6327, NURS 6320.

**NURS 6326. PROJECT PROPOSAL DEVELOPMENT. 3 Hours.**

This course provides the student an opportunity to design an evidence-based process and intervention to improve practice and the practice environment. Prerequisite: Doctoral Standing. NURS 6327, NURS 6307, NURS 6382, NURS 6320, NURS 6322, NURS 6323, and NURS 6324.

**NURS 6327. CLINICAL SCHOLARSHIP TO IMPROVE HEALTHCARE OUTCOMES. 3 Hours.**

This course will develop clinical scholarship and analytical methods to improve healthcare outcomes. Prerequisite: Graduate Standing; Graduate Level Statistics (with minimum of a B).

**NURS 6330. DATA SCIENCE AND POPULATION DATABASES. 3 Hours.**

This course is designed to prepare students to analyze population-based health data including the theoretical framework behind the design and administration of such studies. The focus is on datasets containing health and behavioral variables. At the conclusion of this course, students will be prepared to produce descriptive and inferential statistics about a defined population using data collected using complex survey design. With the collaboration of the instructor, this course culminates in the development, analysis, and reporting of a research project conducted using a population health database. Prerequisite: NURS 6318, NURS 6319.

**NURS 6331. DNP PRACTICUM I PRACTICE. 3 Hours.**

During this course, students implement evidence-based solutions that influence health outcomes. Prerequisite: NURS 6307, NURS 6320, NURS 6321, NURS 6322, NURS 6323, NURS 6324, NURS 6326, NURS 6382. DNP status and good academic standing (GPA 3.0).

**NURS 6333. DNP PRACTICUM II PRACTICE. 3 Hours.**

This course is applicable for students who have passed 6326 Project Proposal Development without approval from the Graduate Nursing Review Committee regarding implementation of a DNP Project. In this course students have faculty supervision in creating a successful DNP Project Proposal. Upon completion, 180 Practicum hours will be applied to NURS 6620/6621 Practicums. Prerequisite: NURS 6326.

**NURS 6370. INDEPENDENT STUDY IN NURSING. 3 Hours.**

Detailed in-depth study in a specific topic area. Topic and mode of study are agreed upon by student(s) and instructor prior to registration. May be repeated for credit when topics vary. Graded F, R, P.

**NURS 6381. RESEARCH PRACTICUM. 3 Hours.**

With the active guidance and under the supervision of an active researcher, the student will complete at least 75 hours of research activities, such as designing studies, seeking IRB and organizational approvals, obtaining informed consent, collecting and analyzing data, conducting laboratory experiments, or disseminating findings. This is practical research experience in preparation for the student's dissertation in the PhD Program in Nursing. Prerequisite: Doctoral standing. By permission of Research Advisor.

**NURS 6382. HEALTH CARE POLICY. 3 Hours.**

Critique policies and processes to provide leadership in developing and implementing policies and/or regulations that influence institutional, local, state, federal, and/or international healthcare outcomes. Prerequisite: Doctoral Standing. Graduate Level Statistics (with minimum of a B). NURS 6327 if in DNP program.

**NURS 6390. TOPICS IN NURSING. 3 Hours.**

Selected topics in advanced nursing. May be repeated for credit as topics change.

**NURS 6399. DISSERTATION. 3 Hours.**

Graded F, R. Prerequisite: Admission to candidacy for the Doctor in Nursing degree.

**NURS 6470. INDEPENDENT STUDY IN NURSING. 4 Hours.**

Detailed in-depth study in a specific topic area. Topic and mode of study are agreed upon by student(s) and instructor prior to registration. May be repeated for credit when topics vary. Graded F, R, P.

**NURS 6490. TOPICS IN NURSING. 4 Hours.**

Selected topics in advanced nursing. May be repeated for credit as topics change.

**NURS 6620. DNP PRACTICUM I. 6 Hours.**

During this course, students implement evidence-based solutions that influence health outcomes. Prerequisite: NURS 6307, NURS 6320, NURS 6322, NURS 6323, NURS 6324, NURS 6326, NURS 6327, and NURS 6382. Good academic standing (GPA 3.0).

**NURS 6621. DNP PRACTICUM II. 6 Hours.**

During this course, students evaluate evidence-based solutions that influence health outcomes. Prerequisite: NURS 6620 and DNP status, Good academic standing (3.0).

**NURS 6699. DISSERTATION. 6 Hours.**

Graded F, R, P, W. Prerequisite: Admission to candidacy for the Doctor in Nursing degree.

**NURS 6999. DISSERTATION. 9 Hours.**

Graded F, R, P. Prerequisite: Admission to candidacy for the Doctor in Nursing degree.

**NURS 7399. DOCTORAL DEGREE COMPLETION. 3 Hours.**

This course may be taken during the semester in which a student expects to complete all requirements for the doctoral degree and graduate. Enrolling in this course meets minimum enrollment requirements for graduation, for holding fellowships awarded by The Office of Graduate Studies and for full-time GTA or GRA positions. Students should verify that enrollment in this course meets other applicable enrollment requirements. To remain eligible in their final semester of study for grants, loans or other forms of financial aid administered by the Financial Aid Office must enroll in a minimum of 5 hours as required by the Office of Financial Aid. Other funding sources may also require more than 3-hours of enrollment. Additional hours may also be required to meet to requirements set by immigration law or by the policies of the student's degree program. Students should contact the Financial Aid Office, other sources of funding, Office of International Education and/or their graduate advisor to verify enrollment requirements before registering for this course. This course may only be taken once and may not be repeated. Students who do not complete all graduation requirements while enrolled in this course must enroll in a minimum of 6 dissertation hours (6699 or 6999) in their graduation term. Graded P/F/R.