

# NURSING (NURS)

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## Courses

### **NURS 3110. Health Assessment: Clinical Application. 1 Credit Hour.**

This course provides an opportunity for application of health assessment theory and skills in a simulated practice setting with emphasis on the adult and geriatric populations. Credit Hours: 1 semester hour (1 hour clinical skills laboratory).

### **NURS 3204. Health Assessment: Theoretical Foundations. 2 Credit Hours.**

This course focuses on the theory and practice of health assessment of individuals and families across the lifespan with emphasis on the adult and geriatric populations. Corequisites: NURS 3110.

### **NURS 3205. Psychiatric and Mental Health: Theoretical Foundations. 2 Credit Hours.**

This course focuses on the promotion, maintenance, and restoration of mental health across the lifespan with an emphasis on professional relationships, therapeutic communication, and the understanding of psychopathology. Successful completion of semester 5 is required. Clock hours: 2 semester hours (2 hours theory) Corequisites: NURS 3206.

### **NURS 3206. Psychiatric and Mental Health Nursing: Clinical Application. 2 Credit Hours.**

This course provides the opportunity for clinical experience for nursing intervention development for promoting, maintaining, and restoring mental health across the lifespan integrating principles of professional relationships, therapeutic communication, and concepts of psychopathology. Clock hours: 2 semester hours (2 hours clinical). Corequisites: NURS 3205.

### **NURS 3207. Care Of Childbearing Families: Theoretical Foundations. 2 Credit Hours.**

This course addresses holistic care of women and their families during the childbearing years with emphasis on health promotion and risk reduction. Successful completion of semester 5 is required. Clock hours: 2 semester hours (2 hours theory) Corequisite: NURS-3208.

### **NURS 3208. Care Of Childbearing Families: Clinical Application. 2 Credit Hours.**

This course provides opportunity for clinical application of holistic care of women and their families during the childbearing years with emphasis on health promotion and risk reduction. Clock hours: 2 semester hours (2 hours clinical) Corequisites: NURS 3207.

### **NURS 3270. Professional Socialization 2. 2 Credit Hours.**

This course addresses professional values, ethical and legal foundations, principles of social justice, history of nursing, and the roles of the 21st Century nurse with an emphasis on safety and quality. Credit Hour Allocation: 2 semester hours (2 hours theory). Admission to the Accelerated Undergraduate Program is required.

### **NURS 3272. Health Assessment and Promotion: Theoretical Foundations. 2 Credit Hours.**

This course focuses on the theory and practice of health assessment of individuals and families across the lifespan. Admission to the Accelerated Undergraduate Program is required. Credit Hour Allocation: 2 semester hours (2 hours theory). Corequisites: NURS 3273.

### **NURS 3273. Health Assessment and Promotion: Clinical Application. 2 Credit Hours.**

This course provides an opportunity for application of health assessment theory and development of skills in a simulated practice setting. 2 semester hours (2 hours clinical skills laboratory) Corequisite: NURS 3272.

### **NURS 3274. Psychiatric and Mental Health Nursing: Theoretical Foundations. 2 Credit Hours.**

This course focuses on the promotion, maintenance, and restoration of mental health across the lifespan with an emphasis on professional relationships, therapeutic communication, and the understanding of psychopathology. Credit Hour Allocation: 2 semester hours (2 hours theory). Successful completion of Semester 5 is required.

### **NURS 3275. Psychiatric and Mental Health Nursing: Clinical Application. 2 Credit Hours.**

This course provides clinical experience for nursing intervention development for promoting, maintaining, and restoring mental health across the lifespan integrating principles of professional relationships, therapeutic communication, and concepts of psychopathology. Credit Hour Allocation: 2 semester hours (2 hours theory). Corequisites: NURS 3274.

### **NURS 3303. Concepts of Professional Nursing. 3 Credit Hours.**

This course addresses professional role development integrating concepts of multidimensional care and skills of inquiry and analysis to inform clinical decision making, professional judgement, and lifelong learning. Admission to the traditional undergraduate program is required.

### **NURS 3304. Pharmacotherapeutics. 3 Credit Hours.**

This course provides the foundation for safe, effective drug therapy and the role of the nurse in health promotion, disease prevention, and management. Successful completion of semester 5 is required.

### **NURS 3305. Foundations of Clinical Nursing Practice: Clinical Application. 3 Credit Hours.**

This course provides practice experience for clinical decision making and interventions with individuals, including a special focus on the older adult, in diverse settings using a patient centered, holistic, caring framework. Corequisites: NURS 3330.

### **NURS 3309. Pathophysiology. 3 Credit Hours.**

This course focuses on concepts of pathophysiology essential to understanding the diseases and disabling conditions that can affect the body systems across the lifespan. Clock hours: 3 semester hours (3 hours theory). Admission to the Traditional Track of the undergraduate program is required.

### **NURS 3314. Pathophysiology (Alternate Entry). 3 Credit Hours.**

This course focuses on concepts of pathophysiology essential to understanding the diseases and disabling conditions that can affect the body systems across the lifespan. Admission to the Graduate Nursing Alternate Entry Program is required to take this course.

### **NURS 3321. Transitions In Professional Nursing (Alternate Entry). 3 Credit Hours.**

This course addresses continuing professional role development for Registered Nurses who are returning to school to prepare for advanced generalist roles as Clinical Nurse Leaders or Administrative Managers at the graduate level. The focus is on integrating multidimensional care, skills of inquiry and analysis, and a broadened focus on individuals, families, and populations to inform clinical reasoning in changing health care environments. Admission to the Graduate Nursing Alternate Entry MSN Program is required to enroll in this course.

**NURS 3330. Foundations of Clinical Nursing Practice -Theoretical Foundations. 3 Credit Hours.**

This course provides a scientific foundation for clinical practice with individuals in diverse settings using a concept-based, patient-centered, holistic framework. Admission to the Traditional or Accelerated Track program is required.

**NURS 3365. Pharmacology. 3 Credit Hours.**

This course provides the foundation for safe, effective drug therapy and the role of the nurse in health promotion, disease prevention, and management. Successful completion of semester 5 is required.

**NURS 3370. Pathophysiology. 3 Credit Hours.**

This course focuses on concepts of pathophysiology essential to understanding the diseases and disabling conditions that can affect the body systems across the lifespan. Admission to the Accelerated Undergraduate Program is required.

**NURS 3371. Foundations of Nursing Care: Clinical Applications. 3 Credit Hours.**

In this course the student will have the opportunity to develop foundational clinical competencies for providing safe, quality patient care in a clinical setting. Credit Hour Allocation: 3 semester hours (3 hours clinical). Corequisites: NURS 3330.

**NURS 3372. Family Nursing Care: Theoretical Foundations. 3 Credit Hours.**

This course focuses on the care of families across the lifespan with emphasis on childbearing and childrearing families and their roles, functions, and dynamics with regard to health promotion and risk reduction. Successful completion of Semester 5.

**NURS 3373. Family Nursing Care: Clinical Applications. 3 Credit Hours.**

This course provides the opportunity for clinical application of nursing care for families across the lifespan with emphasis on childbearing and childrearing families and their roles, functions, and dynamics with regard to health promotion and risk reduction. Credit Hour Allocation: 3 semester hours (3 hours clinical). Prerequisites: NURS 3171 Corequisites: NURS 3372.

**NURS 3374. Research and Evidence-Based Practice. 3 Credit Hours.**

This course integrates concepts from research and information management that apply to the generation, appraisal, use, and dissemination of evidence that informs safe, quality nursing practice. Credit Hour Allocation: 3 semester hours (3 hours theory). Successful completion of semester 5.

**NURS 3375. Research And Evidence Based Practice. 3 Credit Hours.**

This course addresses the role of research in professional nursing practice including conduct of research, research sources utilization and dissemination, and principles and models of evidence-based practice. Students can enroll in in this course with successful completion of semester 1.

**NURS 3376. Research and Evidence-Based Practice (Alternate Entry). 3 Credit Hours.**

This course integrates concepts from research and information management that apply to the generation, appraisal, use, and dissemination of evidence that informs safe, quality nursing practice.

**NURS 4210. Child and Family Health: Theoretical Foundations. 2 Credit Hours.**

This course addresses holistic care of children and families with emphasis on health promotion, disease management, and injury prevention through therapeutic nursing assessment and intervention across environments. Credit Hour Allocation: 2 semester hours (2 hours theory). Successful completion of semester 6 is required.

**NURS 4211. Child and Family Health: Clinical Application. 2 Credit Hours.**

This course addresses holistic care of children and families with emphasis on health promotion, disease management, and injury prevention through therapeutic nursing assessment and intervention across environments. Credit Hour Allocation: 2 semester hours (2 hours clinical) Prerequisites: NURS 4210 Corequisites: NURS 4210.

**NURS 4217. Population Focused Health: Clinical Application. 2 Credit Hours.**

This course provides experience for application of population focused health promotion and disease and injury prevention based on determinants of local, national, and global health including lifestyle, environmental, cultural, and genetic factors. Credit Hour Allocation: 2 semester hours (2 hours clinical) Corequisites: NURS 4317.

**NURS 4227. Population Focused Health: Clinical Applications. 2 Credit Hours.**

This course provides clinical experience for application of population focused health promotion, and disease and injury prevention based on determinants of local, national, and global health including lifestyle, environment, cultural, and genetic factors. Credit Hour Allocation: 2 semester hours (2 hours clinical) Corequisites: NURS 4327.

**NURS 4230. Leadership and Management: Clinical Application. 2 Credit Hours.**

This course provides opportunity for clinical application of nursing leadership and management in diverse settings to promote quality patient outcomes. Credit Hour Allocation: 2 semester hours (2 hours clinical) Corequisites: NURS 4329.

**NURS 4311. Care Of The Adult 1: Theoretical Foundations. 3 Credit Hours.**

This course focuses on theoretical principles regarding holistic care of the adult experiencing chronic health problems within diverse settings. Credit Hour Allocation: 3 semester hours (3 hours theory) Prerequisites: Completion of Semester 6 Corequisite: NURS-4314.

**NURS 4314. Care of The Adult 1: Clinical Application. 3 Credit Hours.**

This course provides opportunity for clinical application regarding holistic care of the adult experiencing chronic health alterations. Successful Completion of Semester 6. Credit Hour Allocation: 3 semester hours (3 hours clinical). Prerequisites: NURS 4311 Corequisites: NURS 4311.

**NURS 4315. Care of The Adult 2: Theoretical Foundations. 3 Credit Hours.**

This course addresses holistic care of the acutely and critically ill adult experiencing complex health alterations while in acute care settings. Credit Hour Allocation: 3 semester hours (3 hours theory). Prerequisites: NURS 4311 and NURS 4314.

**NURS 4316. Care of The Adult 2: Clinical Application. 3 Credit Hours.**

This course provides clinical experience for holistic patient-centered care of the acutely and critically ill adult experiencing complex health alterations within acute care settings. Credit Hour Allocation: 3 semester hours (3 hours clinical) Corequisites: NURS 4315.

**NURS 4317. Population Focused Health: Theoretical Foundations. 3 Credit Hours.**

This course addresses population focused health promotion and disease and injury prevention based on determinants of local, national, and global health including lifestyle, environmental, cultural, and genetic factors. Credit Hour Allocation: 3 semester hours (3 hours theory). Successful completion of semester 7.

**NURS 4319. Leadership and Management: Theoretical Foundations. 3 Credit Hours.**

This course presents theoretical principles of nursing leadership and management in diverse settings to promote quality patient outcomes. Credit Hour Allocation: 3 semester hours (3 hours theory). Successful completion of semester 7 is required.

**NURS 4320. Leadership and Management: Clinical Application. 3 Credit Hours.**

This course provides opportunity for clinical application of nursing leadership and management in diverse settings to promote quality patient outcomes. Credit Hour Allocation: 3 semester hours (3 hours clinical). Corequisites: NURS 4319.

**NURS 4327. Population Focused Health: Theoretical Foundations. 3 Credit Hours.**

This course addresses population focused health promotion, and disease and injury prevention based on determinants of local, national, and global health including lifestyle, environmental, cultural and genetic factors. Successful completion of semester 7 is required.

**NURS 4329. Leadership and Management: Theoretical Foundations. 3 Credit Hours.**

This course presents theoretical principles of nursing leadership and management in diverse settings to promote quality patient outcomes. Credit Hour Allocation: 3 semester hours (3 hours theory). Successful completion of Semester 7 is required.

**NURS 4333. Nursing Leadership: Theoretical Foundations. 3 Credit Hours.**

This course presents theoretical principles of nursing leadership and management in diverse settings to promote quality patient outcomes. Clock Hours: 3 semester hours (3 hours theory). Prerequisites: NURS 3272 and NURS 3273.

**NURS 4403. Disease Management 3: Clinical Application. 5 Credit Hours.**

This course is the clinical component for Disease Management I: Theoretical Foundations and Disease Management II: Theoretical Foundations that focuses on the nursing care and decision making related to multiple disease concepts across the lifespan. Concurrent or successful completion of NURS 4501 Disease Management I: Theoretical Foundations and NURS 4502 Disease Management II: Theoretical Foundations.

**NURS 4420. Transition To Professional Nursing Practice: Clinical Immersion. 4 Credit Hours.**

This course is a clinical immersion experience designed to provide comprehensive learning opportunities that promote integration of baccalaureate learning outcomes to prepare the graduate for professional nursing practice. Completion of all Traditional Undergraduate Program courses is required.

**NURS 4423. Clinical Immersion. 4 Credit Hours.**

This course facilitates the transition of the student into professional practice through preceptorship by Registered Nurses in a variety of settings. Credit Hour Allocation: 4 semester hours (4 hours clinical). Completion of all Accelerated Undergraduate Program courses is required.

**NURS 4501. Disease Management I: Theoretical Foundations. 5 Credit Hours.**

This course emphasizes nursing care and decision making regarding patients across the lifespan experiencing alterations in metabolism, circulation, oxygenation, elimination, immunology/inflammation, and sexuality. Successful completion of semester 6 is required. (5 hrs Theory).

**NURS 4502. Disease Management 2: Theoretical Foundations. 5 Credit Hours.**

This course emphasizes nursing care and decision making regarding patients across the lifespan experiencing alterations in coordination and control, cellular differentiation, cognitive/sensory, fluid and electrolytes, sepsis, and trauma. (5 hrs Theory) Prerequisites: NURS 4501.

**NURS 4533. Disease Management III-Clinical Application. 5 Credit Hours.**

This course is the clinical component for Disease Management I: Theoretical Foundations and Disease Management II: Theoretical Foundations that focuses on the nursing care and decision making related to multiple disease concepts across the lifespan.

**NURS 5219. Maximizing System and Human Resources to Improve Health. 2 Credit Hours.**

This is one of a series of graduate level courses that provides the nursing management and leadership foundation necessary to create safe, healthy, professional environments that empower interdisciplinary health care teams to engage patients and deliver optimal patient and system outcomes. Integration of internal and external forces impacting complex adaptive healthcare systems sets the context for a focus on human resource management at a clinical unit, clinic, department and service level as well as building capacity for event response. Big data analysis, trending, and benchmarking complement best practices in human resourcing and employment law to manage current human and relational resources. Additional focus includes the role of strategic staff development in anticipation of market dynamics, quality and service demands, technology, artificial intelligence and advances in science; including genomics and epigenetics. Students emerge with the capacity to leverage complex internal and external system dynamics, evidence, and information in order to establish healthy work environments and to manage and lead healthcare teams that deliver safe quality outcomes.

**NURS 5306. Theoretical Foundations for Advanced Nursing Practice. 3 Credit Hours.**

In this course students analyze interdisciplinary theories that inform research, practice and scholarship in healthcare.

**NURS 5307. Translational Research for Advanced Nursing Practice. 3 Credit Hours.**

In this course students learn the application of research in nursing and healthcare. Emphasis is placed on interpreting, evaluating and translating research to improve practice and healthcare outcomes. Graduate standing is required to register for this course.

**NURS 5338. Advanced Pathophysiology. 3 Credit Hours.**

In this course students focus on advanced pathophysiological processes across the lifespan, incorporating use of clinical reasoning skills to distinguish alterations across multiple physiological systems. 3 clock hours class (45 hours class). Open for Cross Enrollment on Space Available Basis.

**NURS 5339. Leadership and Health Policy for Quality and Safety. 3 Credit Hours.**

Leadership principles and theories germane to an increasingly complex, rapidly changing global healthcare landscape will be explored. Primary focus will be the development of change capacity and policy making within microsystems, mesosystems and microsystems to transform health. Global health impact, interprofessional collaboration, and advocacy initiatives will be explored. Course content will include complexity theory and continuous quality improvement models, processes and tools to realize measurable health outcomes. Analysis will include political, demographic and economic forces that influence health policy and professional practice. Nuanced ethical and legal dimensions of practice will be explored. Reflective analysis of individual student leadership development will frame learning application. Graduate standing is required to register for this course. Open for Cross Enrollment on Space Available Basis.

**NURS 5356. Financial and Economic Evidence In Health Care. 3 Credit Hours.**

The student is introduced to the economic and financial factors affecting practice in a complex healthcare environment. Principles of healthcare economics, third party reimbursement, developing budgets, variance and economic evaluation methods, are considered.

**NURS 6071. Supervised Teaching. 1-6 Credit Hours.**

Directed teaching in the major area under close supervision of one or more faculty members is required of each doctoral student. Up to six semester credit hours toward a degree may be granted to the student who satisfactorily completes the graduate courses in Supervised Teaching in her/his area of study. (Optional).

**NURS 6104. Integration and Transition Seminar. 1 Credit Hour.**

This course provides students the opportunity to share their individual micro-meso-macro systems analyses, experiences and insights and to extend their learning through collective dialogue. Practicum project successes and lessons learned will form the basis of student discussions focused on strategic and operational decision making and problem solving, human and resource management, interprofessional relationships and the related roles and responsibilities of nurse leaders / nurse executives across the continuum of care. Discoveries, challenges and developmental plans related to the leader within will be explored. Constructive reflection and peer coaching will be used to lay the foundation for student success. Prerequisites: NURS 5219, NURS 6405 and NURS 6314 Corequisites: NURS 6313, NURS 6331 and NURS 6330.

**NURS 6108. Nursing Administration Practicum 1. 1 Credit Hour.**

This introductory nursing administration practicum provides an opportunity for the student to utilize specialization specific tools and competencies to explore the leader within themselves and to identify personal challenges and opportunities for professional success. Students will assess leadership roles in their desired area of focus and establish a personal plan for professional development to assume desired roles. While locally focused, students will also explore the interconnection of local health and nursing leadership to global health. Identification and establishment of a program sustaining preceptorship with an experienced nurse executive in a selected institutional or community-based health care setting to accomplish the student's professional development plan is the defining accomplishment of this course. Prerequisite: NURS 5339.

**NURS 6110. Advanced Health Assessment: Clinical Application. 1 Credit Hour.**

This course focuses on applying advanced health assessment skills; developing clinical basis for advanced assessment in nursing practice; collecting, interpreting and summarizing database; documenting findings; and presenting complete problem list. Clock Hours: 3 clock hours clinical (45 hours clinical). Prerequisites: An undergraduate health assessment course or comparable equivalent and; Corequisites: NURS 6210.

**NURS 6120. Clinical Nurse Leader Role 2: Seminar. 1 Credit Hour.**

This seminar is designed to provide students enrolled in the CNO capstone clinical course the opportunity to discuss and analyze leadership challenges in the development and implementation of the CNL role in various health care microsystems. Clock hours: 1 semester class hour (15 clock hours class). Prerequisite: NURS 6230 and NURS 6233 Corequisites: NURS 6822.

**NURS 6130. Nurse Practitioner Conceptual Basis For Advanced Practice Nursing. 1 Credit Hour.**

The purpose of this course is to provide a conceptual basis for advance practice nursing. Students examine nurse practitioner competencies with emphasis on acquiring knowledge and skills to assume leadership roles in health care delivery, health policy, and complex health care systems. Research and quality improvement mechanisms to implement change are explored.

**NURS 6132. Population State of the Science. 1 Credit Hour.**

This course provides a foundation for understanding of evidence-based clinical prevention and population care and services to individuals, families and aggregates/identified populations through the identification of key competencies and relevant and predictable learning opportunities in their practice settings.

**NURS 6134. Clinical Application 1: Facilitation of Learning in an Academic Setting. 1 Credit Hour.**

This practicum course provides students the opportunity to explore the scope and responsibilities of teaching in an academic setting; including exposure to regulatory processes and faculty governance, as well as, faculty practice, service research and scholarship activities. Students will also begin direct engagement in teaching students in their area of practice or population foci in classroom, online, lab, simulation and clinical settings. Prerequisites: NURS 6132 and NURS 6260 Corequisites: NURS 6262.

**NURS 6136. Clinical Application 2: Facilitation of Learning in an Academic Setting. 1 Credit Hour.**

This practicum course provides students the opportunity to expand direct engagement in teaching students in their area of practice or population foci in classroom, online, lab, simulation and clinical settings. Focus is on assuming a beginning leadership role in designing and implementing learning modules and strategies that support curriculum outcomes and reflect best practices, as well as, assumption of clinical teaching responsibilities and course maintenance in collaboration with faculty preceptor. Prerequisites: NURS 6132, NURS 6260, NURS 6262, and NURS 6134 Corequisites: NURS 6264.

**NURS 6138. Clinical Application 3: Facilitation of Learning Across Health Systems. 1 Credit Hour.**

This practicum course provides students the opportunity to explore the scope and responsibilities of educators in community health system environments. Clinical activities support understanding responsiveness to human resourcing, competency maintenance, safety, and staff development for enhanced clinical and system outcomes. Additional focus includes use of technology and informatics applications that support learning in diverse practice settings. Prerequisites: NURS 6132, NURS 6260, NURS 6262, NURS 6134, NURS 6264 and NURS 6136 Corequisites: NURS 6266.

**NURS 6202. Nursing Administration Practicum 2. 2 Credit Hours.**

This course continues the program's sustaining preceptorship and builds on the Practicum 1 foundation in three ongoing areas of leadership development: the leader within each student, a complexity based system analysis, and the application of theory through a clinical practicum project. Students will have the opportunity to engage in the system actively in order to begin a micro-meso-macro systems analysis and to establish project specific relationships. A systematic evaluation of opportunities for improvement will provide the basis for practicum project selection. The semester will culminate with the involved stakeholder's commitment to a general plan and timeline for practicum project implementation and evaluation. Students will reflect on their development across the semester and identify areas for ongoing growth as they plan for their next practicum. Portfolio development will continue. Prerequisites: NURS 5339, NURS 5306, NURS 6315 and NURS 6108 Corequisites: NURS 5356, NURS 5219 and NURS 5307.

**NURS 6210. Advanced Health Assessment and Clinical Reasoning. 2 Credit Hours.**

This course will build upon health assessment skills developed in the professional nurse's basic educational program. The theoretical and clinical basis for assessment in advanced practice will be developed. The process whereby the advanced clinician utilizes comprehensive physical, psychosocial, and cultural assessment across the lifespan, to gather specific data relevant to common health problems, is demonstrated. Faculty and preceptors facilitate laboratory and clinical experiences that focus on assessment of clients and presentation of findings in a variety of settings. An undergraduate health assessment course or comparable experience is required. Course Fees: Lab \$30 Corequisites: NURS 6110.

**NURS 6230. Clinical Nurse Leader 1: Role of The Adv. Generalist in Healthcare Microsystems. 2 Credit Hours.**

The focus of this course is on assessment of clinical microsystems in healthcare settings to identify needed changes in clinical trajectory for patients within the system. Development of the role of the CNL as a patient care coordinator and educator for an interprofessional team is the aim of this course. Improving patient safety, quality outcomes, and planning for implementation of innovations in care based on evidence-based practice will be discussed. Clock hours: 30. Prerequisites: NURS 5339, NURS 5338, NURS 6210, NURS 6302, NURS 5306, NURS 5307, NURS 5356, NURS 6315, and NURS 6380.

**NURS 6233. Clinical Nurse Leader 1: Role Of The Adv Generalist In Healthcare Microsystems - Clin Applications. 2 Credit Hours.**

This course is a practicum course designed to assist the CNL in assessing a particular clinical microsystem of healthcare and designing educational programs for patients, families, and the interprofessional team. The focus of the assessment is on improving patient safety and selected quality outcomes based on evidence-based practice. Clock hours: 90 clinical clock hours, 30 hours clinical conference. Prerequisites: NURS 5339, NURS 5338, NURS 6210, NURS 6302, NURS 5306, NURS 5307, NURS 5356, NURS 6315, and NURS 6380 Corequisites: NURS 6230.

**NURS 6250. Advanced Health Promotion, Health Protection, and Disease Prevention. 2 Credit Hours.**

Students analyze theories and research from nursing, health promotion, health protection and disease prevention. Family, human development, patient education and community are the foundation for exploring the phenomena of family focused care. Data grounded in epidemiological sources, health histories and family assessments are examined as the basis for identification of risk factors. Prerequisites: NURS 5306 and NURS 5307.

**NURS 6260. Intro: Nursing Education Theories & Trends. 2 Credit Hours.**

This course will introduce the nursing education theories and trends that influence the development of nursing education programs in academic and service settings.

**NURS 6262. Curriculum. 2 Credit Hours.**

This course is designed to introduce the student to the process of curriculum development. The teaching and learning processes are examined from the standpoint of education and nursing research and the effect on various curriculum patterns. Students are introduced to selected learning theories and strategies to promote critical thinking and active learning. The course provides opportunity for examination for factors that influence curriculum development, implement, and evaluation in interprofessional education. Prerequisites: NURS 6132 and NURS 6260 Corequisites: NURS 6134.

**NURS 6264. Strategies that Facilitate Learning Across Delivery Modalities and Systems. 2 Credit Hours.**

This course focuses on theory and evidence based strategies enacted to create successful learning and environments; including responsiveness to individual student and staff characteristics and learning needs, desired outcomes, content and context. Additional focus includes technology and informatics applications that support learning in classroom, distance, skills lab, simulation, clinical education, and health care systems practice sites. Prerequisites: NURS 6132, NURS 6260, NURS 6262 and NURS 6134 Corequisites: NURS 6136.

**NURS 6266. Evaluation in Education. 2 Credit Hours.**

This course is designed to introduce the student to the process of curriculum evaluation. Strategies for assessing and evaluating learning outcomes will be examined. Students are introduced to methods of classroom and clinical evaluation. The course provides opportunity for examination of comprehensive program evaluation. Prerequisites: NURS 6132, NURS 6260, NURS 6262, NURS 6134, NURS 6132, NURS 6138 and NURS 6136 Corequisites: NURS 6138.

**NURS 6302. Advanced Pharmacotherapeutics. 3 Credit Hours.**

This course focuses on advanced practice knowledge and skills in the therapeutic use of pharmacologic agents including pharmacologic treatment of major health problems, pharmacokinetics principles, pharmacodynamics, pharmacogenomics and legal aspects of prescribing. Clock Hours: three clock hours class (45 hours class). Open for Cross Enrollment on Space Available Basis. Prerequisites: NURS 5338.

**NURS 6312. Advanced Mental Health Concepts. 3 Credit Hours.**

The focus of this course is developing the theoretical basis for advanced practice nursing in mental health using a holistic perspective to examine the etiology, meaning and consequences of human behavior. Graduate Standing is a prerequisite for this course.

**NURS 6313. Program Planning and Evaluation for Transitions, Transformation and Integration. 3 Credit Hours.**

This course provides the opportunity to explore management problems in health care settings with an emphasis on program planning and evaluation. Using analytical and problem-solving skills, processes, strategies, and evidenced-based practice, students will be given the opportunity to develop theory-based interventions and evaluation strategies. Prerequisites: NURS 5356, NURS 5306 and NURS 5307 Corequisites: NURS 6331 and NURS 6104.

**NURS 6314. Nursing Administration Practicum 3. 3 Credit Hours.**

This course continues the program sustaining preceptorship and the three ongoing areas of leadership development: the leader within each student, a complexity based system analysis, and the application of theory through a clinical practicum project. Students will be expected to actively engage in the system to further analyze system dynamics and to advance their project. A theory and evidenced based logic model demonstrating best practices for decision making, financial analysis, and evaluation will be developed to support and track full project implementation. Culmination of the semester will reflect the practicum project's full implementation and substantive progress toward completion. Students will again reflect on their development across the semester and to identify areas for ongoing growth as they plan for their final practicum. Portfolio development will continue. Prerequisites: NURS 5356, NURS 5306 and NURS 5307 Corequisites: NURS 6405.

**NURS 6315. Informatics & Health Care Technologies. 3 Credit Hours.**

This course addresses advanced leadership roles in the clinical setting related to information systems and patient care technology. The content focuses on information systems that assist in monitoring outcomes and quality improvement, patient safety, and evaluation and selection of patient care technology and consumer health information sources. Legal and ethical issues related to information systems and patient care technology will be explored. Graduate Standing is a prerequisite for this course. Open for Cross Enrollment on Space Available Basis.

**NURS 6330. Nursing Administration Practicum 4. 3 Credit Hours.**

This final practicum course in the program completes the sustaining preceptorship and the three ongoing areas of leadership development: the leader within each student, a complexity based system analysis, and the application of theory through a clinical practicum project. A summative complex systems analysis will be performed. Students will assume aspects of the nurse leader / nurse executive role as they finalize practicum project activities. Presentations of outcomes as well as plans for sustainment, and opportunities for continued improvement complete the student's project responsibilities. As the nursing administration practicum series ends the students will use the AONE Nurse Leader Competencies, as well as, their preferred professional future, to reflect on their development across the program. They will have the opportunity to build a personal professional action plan that supports their transition into the marketplace and is supported by their finalized academic portfolio. Prerequisites: NURS 6405 and NURS 6314 Corequisites: NURS 6313, NURS 6331 and NURS 6104.

**NURS 6331. Economics and Advanced Financial Management. 3 Credit Hours.**

This course covers advanced financial management concepts relevant to managing the business of healthcare. Key concepts covered include principles of advanced financial management, interpretation of financial statements, regulatory requirements imposed by payers and accreditors, advanced budgeting and variance analysis, forecasting, and productivity management. The role of the Administrative Nurse Manager in interprofessional financial planning for quality, safety, and financial stability will be addressed. Prerequisites: NURS 5356 Corequisites: NURS 6313 and NURS 6104.

**NURS 6380. Fundamentals of Epidemiology. 3 Credit Hours.**

This course is designed to study the distribution and determinants of health and disease in human populations. Improving health by altering personal and environmental risk factors will be a major focus. Epidemiological research using technology and public health informatics will be introduced. Clock hours: 45 clock hours. Open for Cross Enrollment on Space Available Basis.

**NURS 6405. Transforming Complex Healthcare Systems for Quality and Safety. 4 Credit Hours.**

This course focuses on student comprehension of organizational systems from traditional theories and structures through complexity theory. The dynamic influences of external and internal environmental changes and contemporary influences at microsystem, mesosystem and macrosystem levels are explored. Students will analyze current and emerging problems related to multiple aspects of quality and safety within healthcare systems. The unique role of nursing in quality improvement, including conceptualization and redesign of effective care delivery models, and care environments that address gaps in science and delivery of patient care services will be explored. Prerequisites: NURS 5339 or NURS 6222.

**NURS 6412. Psychiatric Mental Health Nurse Practitioner Diagnosis and Mgmt: Concepts and Theory 1. 4 Credit Hours.**

This course provides the theoretical basis for the competencies of the Psychiatric Mental Health Nurse Practitioner (PMHNP). This course lays the scientific foundation for independent practice as the RN transitions to the role of the Nurse Practitioner in health promotion, disease prevention, diagnosis and management of illness in psychiatric patients across the lifespan. Using self-directed learning strategies, disorders of approximately one half of the physiologic/psychological systems are examined. Psychotherapies and theories of half of psychopathology are surveyed. Additionally, this course emphasizes collaborative, partnership development among patients, families, and interprofessional teams. Prerequisites: NURS 5339, NURS 5306, NURS 5307, NURS 5356, NURS 6315, NURS 6250, NURS 5338, NURS 6302, NURS 6110, NURS 6210, NURS 6312.

**NURS 6416. Psychiatric Mental Health Nurse Practitioner (PMHNP) Diagnosis And Mgmt: Concepts & Theory 2. 4 Credit Hours.**

The focus of this course is refinement of the Psychiatric Mental Health Nurse Practitioner (PMHNP) role in health promotion, disease prevention, diagnosis and management in psychiatric practice with diverse populations across the lifespan. Using problem-based and self-directed learning strategies, disorders of the remaining physiologic systems and psychiatric disorders are examined. Emphasis is placed on differentiating signs and symptoms to formulate possible diagnoses and determining the effect of the illness on the family. In addition, the nurse practitioner's role as a collaborative member of the interprofessional team will be evaluated. Prerequisites: NURS 5339, NURS 5306, NURS 5307, NURS 5356, NURS 6315, NURS 6250, NURS 5338, NURS 6302, NURS 6110, NURS 6210, NURS 6312 and NURS 6412.

**NURS 6423. Pediatric Nurse Practitioner (PNP) Primary Care Diagnosis And Management: Concepts And Theory 1. 4 Credit Hours.**

This course provides the theoretical basis for the competencies of the Nurse Practitioners (NP). This course lays the scientific foundation for independent practice as the RN transitions to the role of the Nurse Practitioner in health promotions, disease prevention diagnosis and management of illness in primary healthcare practice in diverse infant, child and adolescent population. Using self-directed learning strategies, disorders approximately one half of the physiologic systems are examined. Additionally, this course emphasizes and collaborative partnership development among patients families and interprofessional teams. Clock Hours: 60 clock hours didactic Prerequisites: NURS 5306, NURS 5307, NURS 5356, NURS 5339, NURS 6210, NURS 6312, NURS 5338, NURS 6315, NURS 6250, NURS 6302, and NURS 6110.

**NURS 6428. Pediatric Nurse Practitioner (PNP) Primary Care Diagnosis And Management: Concepts And Theory 2. 4 Credit Hours.**

The focus of this course is refinement of the Pediatric Nurse Practitioners role in health promotion, disease prevention, diagnosis and management in primary health care practice with diverse population from birth through adolescent. Using problem-based and self-direct learning strategies, disorders of the remaining physiologic system are examined. Emphasis is placed on differentiating signs and symptoms to formulate possible diagnosis and determining the effect of the illness on the family. In addition, practitioner role as a collaborative member of the interprofessional team will be evaluated. Clock hours: 60 hours Prerequisites: NURS 5339, NURS 5306, NURS 5307, NURS 5356, NURS 6315, NURS 6250, NURS 5338, NURS 6302, NURS 6110, NURS 6210, NURS 6312 and NURS 6423.

**NURS 6451. Family Nurse Practitioner (FNP) Diagnosis Management of Young Families: Concepts & Theory. 4 Credit Hours.**

This course provides the theoretical basis for the competencies of the Family Nurse Practitioner (FNP) in the care of young families. This course lays the scientific foundation for independent practice in health promotion, disease prevention, and the diagnosis and management of acute and chronic illness for patients across the reproductive continuum and the health and illness from birth to adolescents in the primary healthcare setting. Additionally, this course emphasizes collaborative partnership development among patients, families, and interprofessional teams. Prerequisites: NURS 5306, NURS 5307, NURS 5339, NURS 5356, NURS 6315, NURS 6250, NURS 5338, NURS 6302, NURS 6110, NURS 6210, NURS 6312.

**NURS 6452. Family Nurse Practitioner (FNP) Diagnosis Management of Aging Families: Concepts & Theory. 4 Credit Hours.**

This course provides the theoretical basis for the competencies of the Family Nurse Practitioner (FNP) in health promotion, diagnosis and management in the primary healthcare setting for the mature and aging patient and family. Problem-based and self-directed learning strategies are used to review acute and chronic disorders of the aging patient and family. Emphasis is placed on differentiating signs and symptoms to formulate possible diagnoses and determining the effect of illness on this diverse population. Additionally, this course emphasizes the FNP as a collaborative member of the interprofessional team. Prerequisites: NURS 5306, NURS 5339, NURS 5307, NURS 5356, NURS 6315, NURS 6250, NURS 5338, NURS 6302, NURS 6110, NURS 6210, NURS 6312.

**NURS 6455. Adult-Gerontology Acute Care Nurse Practitioner Diagnosis and Management: Concepts And Theory 1. 4 Credit Hours.**

This course introduces the student to the principles of diagnostic and treatment strategies utilized in acute/critical care settings by the Adult-Gerontology Acute Care Nurse Practitioner. The use of evidence based practice is encouraged to develop a strong scientific foundation for independent and collaborative practice as the registered nurse transitions to the role of the Adult-Gerontology Acute Care Nurse Practitioner. The focus is in health promotion, disease prevention, diagnosis and management of common illnesses seen in the acute care settings affecting the young adult, adult and older adult populations. In addition, this course emphasizes collaborative partnership development between patients, their families and inter-professional teams. Prerequisites: NURS 6210, NURS 6302, NURS 6312, NURS 6315, NURS 5338.

**NURS 6456. Adult-Gerontology Acute Care Nurse Practitioner Diagnosis and Management: Concepts And Theory 2. 4 Credit Hours.**

This course fosters the progression of the Adult-Gerontology Acute Nurse Practitioner student's role transition in the areas of health promotion, disease prevention, diagnosis and management in high acuity practice settings for the young adult, adult and older adult with complex acute, critical and chronic health conditions. Using problem-based and self-directed learning strategies, disorders of the physiologic systems are presented and build on the information presented in Diagnosis and Management: Concepts and Theory 1. Emphasis is placed on using evidence-based practice to formulate individualized plans for care and developing collaborative partnerships with patients, their families and inter-professional teams. Prerequisites: NURS 6455 Corequisites: NURS 6656.

**NURS 6615. Pediatric Nurse Practitioner (PNP) Primary Care Diagnosis and Management 1: Clinical Application. 6 Credit Hours.**

This course focuses on primary care experiences promoting health, preventing disease and diagnosing and managing acute and chronic illness from birth through adolescence and developing collaborative partnerships among patients, families, and interprofessional teams. Prerequisites: NURS 6423 and NURS 6428.

**NURS 6616. Pediatric Nurse Practitioner (PNP) Primary Care Diagnosis & Management 2: Clinical Application. 6 Credit Hours.**

This course focuses on refining the Pediatric Nurse Practitioner role in primary healthcare practice in diverse populations. Emphasis is placed on care of persons with complex health problems from birth through adolescence. In addition, the nurse practitioner's role as a collaborative member of the interprofessional team will be evaluated. Prerequisites: NURS 6423, NURS 6428 and NURS 6616.

**NURS 6620. Family Nurse Practitioner (FNP) Diagnosis & Management of Aging Families: Clinical Application. 6 Credit Hours.**

The focus of this course is integration of the Family Nurse Practitioner's core knowledge in health promotion, diagnosis and management in the care of the mature and aging patient and families in the primary healthcare setting. Emphasis is placed on the care of mature and aging patients and families with acute and chronic complex health problems. In addition, the family nurse practitioner as a collaborative member of the interprofessional team will be emphasized. Prerequisites: NURS 6451 and NURS 6452.

**NURS 6621. Family Nurse Practitioner (FNP) Diagnosis & Management of Young Families: Clinical Application. 6 Credit Hours.**

This course focuses on the primary care experience in health promotion, disease prevention, and diagnosis and management of acute and chronic illness in patients across the reproductive continuum and the health and illness from birth to adolescents. Additionally, this course emphasizes collaborative partnership development among patients, families and interprofessional teams. Prerequisites: NURS 6451 and NURS 6452.

**NURS 6623. Psychiatric Mental Health Nurse Practitioner (PMHNP) Diagnosis & Management 1: Clinical Application. 6 Credit Hours.**

Primary care experience in health promotion, disease prevention, diagnosis and management of psychiatric illness. Additionally, this course emphasizes collaborative partnership development among patients, families, and interprofessional teams. Prerequisites: NURS 6412 and NURS 6416.

**NURS 6624. Psychiatric Mental Health Nurse Practitioner (PMHNP) Diagnosis & Management 2: Clinical Application. 6 Credit Hours.**

The focus of this course is refinement of the Psychiatric Mental Health Nurse Practitioner role in health promotion, diagnosis and management in psychiatric practice in diverse populations across the life span. Emphasis is placed on care of persons with complex health problems. In addition, the nurse practitioner's role as a collaborative member of the interprofessional team will be evaluated. Prerequisites: NURS 6412, NURS 6416 and NURS 6623.

**NURS 6655. Adult-Gerontology Acute Care Nurse Practitioner Diagnosis and Management 1: Clinical Application. 6 Credit Hours.**

This course develops clinical competency and emphasizes the integration of theory, assessment and advanced therapeutics for young adults, adults and older adults in a high acuity setting. Students will perform comprehensive clinical assessments including appropriate diagnostic and therapeutic testing. Management of acute and chronic health problems will be under the direction of clinical preceptors. Clinical placements will include a variety of acute/critical care areas including but limited to: emergency department, medical/surgical intensive care units, intermediate care and specialty services such as transplant and oncology. Gerontology experiences will be provided in long term, rehabilitation facilities and the acute care setting. In addition, this course emphasizes collaborative partnerships development between patients, their families, and inter-professional teams. Prerequisites: NURS 6456.

**NURS 6656. Adult-Gerontology Acute Care Nurse Practitioner Diagnosis and Management 2: Clinical Application. 6 Credit Hours.**

The focus of this course is to foster continued development of the clinical competency of the Adult Gerontology Acute Care Nurse Practitioner student in health promotion, disease prevention, and the formulation of evidence based treatment strategies in a high acuity setting for the young adult, adult and older adult populations. Content is directed toward the care of persons across the adult continuum with complex health problems. In addition, the refinement of the AG-ACNP's role as a patient advocate and collaborative member of the inter-professional team will be emphasized. Prerequisites: NURS 6655.

**NURS 6822. Clinical Nurse Leader Role 2: Clinical Application For The Advanced Nursing Generalist. 8 Credit Hours.**

This capstone clinical experience is designed for students to develop expertise in clinical leadership in their respective interest areas. The health care setting will vary based on a student's chosen program focus. Planning implementation of selected microsystems changes that will enhance the culture of learning, culture of safety, and improved patient outcomes based on evidence-based practice is the focus of this clinical course. At the successful conclusion of the course a student will be eligible to sit for the CNLTM credentialing examination provided by the American Association of Colleges in Nursing. Clock hours: 450 clinical clock hours, 30 clock hours clinical conference. Prerequisites: NURS 6230 and NURS 6233 Corequisites: NURS 6120.

**NURS 7099. Dissertation. 1-9 Credit Hours.**

Prerequisites: Admission to candidacy for Doctor of Philosophy degree; registration for two terms is required of PhD candidates.

**NURS 7105. Role Of The Clinical Nurse Scientist. 1 Credit Hour.**

This course will focus on the professional and ethical roles and responsibilities of the Clinical Nurse Scientist in advancing the discipline of nursing through the generation of clinical knowledge, discovery, and theory development. Potential settings for practice that are traditional, such as academic health centers as well as emerging venues, will be explored. Discussions about issues that may affect the Clinical Nurse Scientist in developing lifelong career/scholarship trajectories will occur.

**NURS 7111. Advanced Nursing Seminar. 1 Credit Hour.**

This seminar course provides the student with knowledge to facilitate integration and synthesis of the essential specialty competencies necessary to plan and design their DNP Practice Inquiry Project. This seminar may include a variety of activities, identification of the opportunity for improvement, literature synthesis and evidence for their theory based organizational intervention at multiple system levels. The activities will be specific to the student's identified area of specialty. Students will share issues related to the plan and design of the DNP Practice Inquiry Project in seminar. Prerequisite: NURS 7323 Corequisite: NURS 7511.

**NURS 7222. Leadership In Complex Healthcare Systems. 2 Credit Hours.**

The focus of this course is on leadership skills preparing nurses for intra/interprofessional leadership in complex healthcare systems including collaborative and consultative models, conflict and board management, and advanced communication and team-building skills with emphasis on innovation and change. Clock hours: 2 clock hours class (30 hours class) Prerequisite: NURS 5339 Open for Cross Enrollment on Space Available Basis.

**NURS 7226. Ethics Of Nursing Science. 2 Credit Hours.**

The focus of this course is on the ethical imperative/implications in the role of the clinical nurse scientist. Current ethical theories are critiqued and the ethical implications of the major research paradigms are evaluated. Ethical issues arising from selected theoretical/research approaches are examined.

**NURS 7301. Methods For Evidence-Based Practice (EBP) Translational Science 1. 3 Credit Hours.**

This course focuses on analyzing evidence-based practice paradigms, quality improvement, and patient safety; appraising primary research and systematic review; and examining approaches to measuring care processes, organizational factors, nursing performance, and patient outcomes. Clock hours: 3 clock hours class (45 hours class) Prerequisites: NURS 5306 and NURS 5307 Open for Cross Enrollment on Space Available Basis.



**NURS 7310. Theory Development, Analysis And Evaluation In Nursing. 3 Credit Hours.**

This course provides opportunity to study a system for the development of nursing science through middle-range theory development. Learning activities include engaging in strategies for concept, statement clarification, and theory clarification. Students and faculty dialog about theory application, theory construction, evaluation, and clinical testing of theory. The relationship between research and clinical practice to theory generation and testing is explored. The student and faculty will have the opportunity to gain practice in strategies for middle-range theory building. Prerequisites: NURS 7325 and NURS 7226.

**NURS 7311. Theories and Research in Leadership, Quality, Safety, and Evidence Base. 3 Credit Hours.**

This course focuses on leadership, chaos, system, improved and transitional science theories and patient safety, healthcare quality and evidence-based research and models to frame improvement, implementation, and translational research studies. Open for Cross Enrollment on Space Available Basis.

**NURS 7312. DNP Practice Inquiry Seminar. 3 Credit Hours.**

This course requires the student to engage faculty and community leaders in the implementation and reporting of the process and outcomes of their theory and evidence based organizational intervention at multiple system levels. The student explores specific issues related to the specific practice topic that leads to an evidence-based improvement project. The role of the DNP as leader and innovator in complex organizational systems will be discussed as it relates to the proposal and implementation. Faculty, practice leaders and experts will assist with development of a plan that is relevant and feasible. Successful completion of PH 1690 as an alternate to NURS 7321. Prerequisites: NURS 7321, NURS 7301, and NURS 7323 Corequisites: NURS 7313.

**NURS 7313. DNP Project: Clinical Application. 3 Credit Hours.**

This course requires the student to engage faculty and community leaders in the implementation and reporting of the process and outcomes of their theory and evidence based organizational intervention at multiple system levels. The role of the DNP as leader and innovator in complex organizational systems will be discussed as it relates to implementation and evaluation. Faculty, practice leaders and experts will assist with the implementation and evaluation of a practice inquiry project. Successful completion of PH 1690 as an alternate to NURS 7321. Prerequisites: NURS 7321, NURS 7301 and NURS 7323 Corequisite: NURS 7312.

**NURS 7314. Nursing and Health Systems Administration. 3 Credit Hours.**

This course is designed to prepare the professional chief nurse executive to provide strategic direction for all aspects of nursing care and care delivery operations for multiple clinical departments, hospitals and service lines across the continuum in regional and/or national healthcare systems to provide value. Successful completion of PH 1690 as an alternate to NURS 7321. Prerequisites: NURS 7321, NURS 7301 and NURS 7323.

**NURS 7316. Statistical Analysis For Nursing Science. 3 Credit Hours.**

The foundational course focuses on statistics and computing skills that assist students to understand statistical methods, gain computing skills, interpret and perform basic statistical tests, and critique typical quantitative articles. Clock Hours: 3 clock hours class. Prerequisites: Graduate standing.

**NURS 7321. Statistical Analysis for Quality Improvement and Health Delivery Systems. 3 Credit Hours.**

This course examines the concepts and techniques to develop, improve, and evaluate patient care and health care delivery systems from multiple perspectives including efficiency, effectiveness, and comparability. Students are provided with essential knowledge for evaluation of research to guide evidence-based practice at the highest level. This course provides an overview of the logic and appropriate use of statistical techniques most commonly reported in the research literature of the health professions. Students build on knowledge they have gained from basic statistics courses to develop advanced skills in interpreting and understanding common univariate and multivariate statistical approaches presented in published health care reports. Using a project-oriented approach, students are provided with statistical tools necessary to conduct state-of-the-art practice improvement projects and support leadership decisions. Prerequisite: Graduate Standing Open for Cross Enrollment on Space Available Basis.

**NURS 7322. Healthcare Policy Analysis and Advocacy. 3 Credit Hours.**

This course focuses on analyzing, designing, implementing, and evaluating public policy process; engaging in policy decision-making process; participating in health services research, policy, and economic analysis; and political advocacy. Open for Cross Enrollment on Space Available Basis.

**NURS 7323. Design And Analysis For Evidence-Based Practice (EBP) Translational Science 2. 3 Credit Hours.**

This course extends Evidence-Based Practice Translational Science 1 to refine the student's ability to integrate research and knowledge into practice and evaluate impact on healthcare quality and safety and patient outcomes. Students will have the opportunity to use advanced program evaluation research approaches and analytic methods to design and evaluate innovations in systems of care in terms of care processes and patient outcomes. The course emphasizes appropriate and analytic approaches in translational science and explores ethical issues in translational science. Clock hours: 3 clock hours class (45 hours class) Prerequisites: NURS 7301 Open for Cross Enrollment on Space Available Basis.

**NURS 7324. Healthcare Economics And Policy. 3 Credit Hours.**

This course prepares the student to lead improvements in health care and shape health policy through an understanding of macroeconomic principles in the health care market. Students will be given the opportunity to apply theoretical and empirical economic analysis to business and public policy issues in health care. Open for Cross Enrollment on Space Available Basis.

**NURS 7325. Philosophy Of Nursing Science. 3 Credit Hours.**

The focus of this course is on articulating the differences in models of knowing and on analyzing the role of science and scientists in society. Emphasis is on the process of analysis, the ability to present the pros and cons of current and anticipated ethical issues, influencing specific clinical situations, and on development and use of technologies in health care. Clock hours: 4 seminar hours per week. Prerequisites: study of advanced professional elements and issues; role(s) socialization.

**NURS 7373. Nursing: Quantitative Research Methods 2. 3 Credit Hours.**

This course presents modern and classical psychometrics for nursing science from the perspective of item response theory. Most of the course will cover classical test theory from the perspective of modern test theory. An introduction to binary item response theory will also be presented. The course will emphasize applications within the context of modern psychometric principles. Prerequisites: NURS 7325, NURS 7226, NURS 7374, NURS 7310, NURS 7380, NURS 7375 Corequisites: NURS 7381 Open for Cross Enrollment on Space Available Basis.

**NURS 7374. Nursing-Content & Practice: Quantitative Research Methodology 1. 3 Credit Hours.**

Integration of the research process and qualitative and quantitative analysis, including concept mapping, operationalization of concepts, and appropriate statistical treatments, make up the content of this course. The course will incorporate identifying clinical research questions and developing study proposals for such questions. Clock Hours: three class hours. Open for Cross Enrollment on Space Available Basis.

**NURS 7375. Regression Models For Nursing Science. 3 Credit Hours.**

This course presents regression analysis at an intermediate level. Course will focus on regression for continuous variables: specification, estimation, testing, and diagnostics. Logistic regression for binomial and multinomial variables, log-linear regression for count variables, and proportional hazards regression for duration variables will be explored. An introduction to multilevel regression will occur. Prerequisites: Graduate standing Open for Cross Enrollment on Space Available Basis.

**NURS 7377. Mixed Methods For Clinical Nurse Scientists. 3 Credit Hours.**

This course will cover the use of mixed methods, quantitative and qualitative, to address complex research questions in nursing and health care. Problems of trying to merge methods and practical strategies for accomplishing this successfully, as well as paradigmatic issues, will be discussed. Prior products developed in quantitative and qualitative methods classes to devise a mixed method proposal that integrates readings on mixed methods with the student's own research interests will be used. Prerequisites: NURS 7374 and NURS 7380 Open for Cross Enrollment on Space Available Basis.

**NURS 7380. Qualitative Inquiry For Clinical Nursing Research. 3 Credit Hours.**

This course will introduce students to qualitative inquiry as an approach to knowledge discovery applicable to clinical nursing research. Students will analyze, compare, and contrast a variety of qualitative approaches including philosophical underpinnings, methodologies, and applications. Those approaches may include: Phenomenology, ethnography, grounded theory, case study, historical research, naturalistic inquiry, interpretive analysis, action research, and focus-group methods. Criteria for evaluating qualitative research reports to critique qualitative research studies will be utilized. The relationship between a clinical problem and specific research methods will be analyzed. Students will have the opportunity to develop research questions and analyze their applicability to specific clinical issues, and learn varied strategies for collecting and analyzing qualitative research data. Prerequisites: NURS 7325, NURS 7226, and NURS 7310 Corequisite: NURS 7325 Open for Cross Enrollment on Space Available Basis.

**NURS 7381. Nursing: Synthesis And Application Of Clinical Research. 3 Credit Hours.**

This course integrates the dynamic elements of clinical practice, theory, and research to prepare doctoral students to function effectively in the synthesis and application of clinical research. This course provides guided direction in the processes used for dissertation development and grant application proposals. Students are required to be actively involved in the critique and analysis of published literature and other students' dissertation proposals, grant applications, and manuscripts. Prerequisites: NURS 7325, NURS 7226, NURS 7310, NURS 7374, NURS 7375, and NURS 7105 Open for Cross Enrollment on Space Available Basis.

**NURS 7382. Structural Equation Models For Nursing Science. 3 Credit Hours.**

This course presents structural equation modeling (SEM) for nursing science. The course will begin with a review of regression from an SEM perspective. The first major topic of the course will be path analysis, including model specification, methods of estimation, recursive and non-recursive models, direct, indirect, and total effects, methods of estimation, single and multi-group analyses, moderators and mediators, and the assessment of causality. The second major topic will be psychometrics from an SEM perspective, including congeneric test theory, reliability and stability, convergent and discriminant validity, and confirmatory factor analysis. The third major topic will combine the first two into structural equations, including model specification and identification, methods of estimation, second-order factor analysis, and the assessment of causal structure. Prior completion of Intermediate statistics is required to register for this course. Open for Cross Enrollment on Space Available Basis.

**NURS 7383. Qualitative Methods 2: Application In Nursing Science. 3 Credit Hours.**

This course is designed to provide students an opportunity to conceptualize a research problem from a qualitative perspective, to study one specific method (grounded theory, ethnography, phenomenology, hermeneutics), and to practice qualitative approaches to data collection and analysis in that method. Students will have opportunities to write a mini-proposal guided by a qualitative research question and leading to a specific qualitative research approach to the problem. There will be opportunities for participating in Mock reviews of qualitative research proposals (either as investigator or reviewer). Students will have the opportunity to learn the IRB approval process with qualitative proposals and will have opportunities to develop pilot research strategies building to a dissertation proposal. Strategies will include interviewing, focus group, or participant observation following the selected method. Through this process students are required to practice and learn strategies and processes for conceptualizing and implementing a qualitative study guided by a specific qualitative methodology. Prerequisites: NURS 7325, NURS 7226, NURS 7374, and NURS 7380 Open for Cross Enrollment on Space Available Basis.

**NURS 7511. Advanced Nursing: Clinical Application. 5 Credit Hours.**

This course provides the student with clinical specialty immersion experiences to facilitate integration and synthesis of the essential competencies necessary for implementation of the DNP Practice Inquiry Project. Students will engage faculty and practice leaders in the plan and design of the project. The practice immersion experience may include a variety of activities related to the identification of the opportunity for improvement, analyzing the organizational context and strategies for design with appropriate clinicians in the clinical practice immersion. The setting and activities will be specific to the student's identified area of specialty. Corequisites: NURS 7111.