

COURSES: FRANCES PAYNE BOLTON SCHOOL OF NURSING

LEAP (Lead Excel and Achievement Program)

LEAP 401. Introduction to Nurse Anesthesiology Specialty I. 2 Units.

This course will focus on the continuum of anesthetic states influenced by clinical anesthesia pharmacology. Coreq: LEAP 402.

LEAP 402. Writing Workshop I. 1 Unit.

This course will engage students in increasing their understanding of concepts in academic dialogue and magnifying their ability to write effectively. It will include an examination of scholarly writing techniques. Coreq: LEAP 401.

LEAP 403. Introduction to Nurse Anesthesiology Specialty II. 2 Units.

This course will focus on the basic principles of anesthesia practice. Prereq: LEAP 401 and LEAP 402. Coreq: LEAP 404, LEAP 405, and LEAP 406.

LEAP 404. Human Physiology. 3 Units.

This course will provide an in-depth understanding of the function, regulation, and integration of human organ systems. Emphasis will be placed on homeostasis in health and disease. Course content will include introductory cell physiology and major organ systems. Prereq: LEAP 401 and LEAP 402. Coreq: LEAP 403, LEAP 405, and LEAP 406.

LEAP 405. Professional Aspects and Leadership in Nurse Anesthesiology. 1 Unit.

This course will focus on the study of the role of the advance practice nurse in Nurse Anesthesiology, including principles of leadership. Prereq: LEAP 401 and LEAP 402. Coreq: LEAP 403, LEAP 404, and LEAP 406.

LEAP 406. Writing Workshop II. 1 Unit.

This course will build on scholarly writing techniques and introduce concepts related to academic dialogue. The course will provide a review of the writing process for dissemination. Prereq: LEAP 401 and LEAP 402. Coreq: LEAP 403, LEAP 404, and LEAP 405.

LEAP 407. Introduction to Nurse Anesthesiology Specialty III. 2 Units.

This course will focus on the clinical management of nurse anesthesiology practice. Prereq: LEAP 403. Coreq: LEAP 408 and LEAP 409.

LEAP 408. Pathophysiology. 3 Units.

This course will provide an in-depth understanding of health and pathologic alterations across the lifespan. A focused review of etiology, symptomology, and the psychophysical response to disease and injury will be incorporated. Prereq: LEAP 404. Coreq: LEAP 407 and LEAP 409.

LEAP 409. Writing Workshop III. 1 Unit.

This course will expand students' understanding of concepts in academic dialogue. It will enhance students' ability to develop and discuss the underpinnings of scholarly writing. Prereq: LEAP 403, LEAP 404, LEAP 405, and LEAP 406. Coreq: LEAP 407 and LEAP 408.

NUAN (Nursing Anesthesiology)

NUAN 443. Professional Role. 1 Unit.

This course will explore the role of the Certified Registered Nurse Anesthetist. Emphasis will be placed on the historical development of the role, regulation of practice, professional organizations, and professional practice standards and guidelines.

NUAN 450. Pharmacological Strategies in Anesthesia Practice. 2 Units.

This course will provide a comprehensive analysis of anesthetic agents, adjunct drugs, and pharmacologic principles related to the practice of anesthesia. The interaction between anesthetic agents and other pharmacologic therapy will be identified. (Admission to program or permission of instructor required.)

NUAN 458. Principles of Anesthesia I. 4 Units.

This course will introduce the student to the practice of nurse anesthesia. Emphasis will be placed on development of foundational knowledge, skills, and techniques necessary for delivery of safe, effective anesthesia care across the lifespan. This will be the first of two courses to provide an overview of the fundamentals of anesthesia practice. This course will focus on knowledge and skills necessary to deliver safe anesthesia care. (Enrollment in nurse anesthesia program)

NUAN 459. Principles of Anesthesia II. 4 Units.

This course will introduce the student to the practice of nurse anesthesia. Emphasis will be placed on development of foundational knowledge, skills, and techniques necessary for delivery of safe, effective anesthesia care across the lifespan. This will be the second of two courses to provide an overview of the fundamentals of anesthesia practice. This course will focus on principles applicable to specific patient populations. Prereq: NUAN 458.

NUAN 460. Advanced Principles of Anesthesia I. 4 Units.

This course will provide an in-depth exploration of the anatomy, physiology, and pathophysiology of the cardiovascular, respiratory, and hematologic systems in the context of anesthesia care. Implications of disease states in these systems for all types of surgery will be explored, with emphasis on anesthetic management of surgical procedures related to these systems. Prereq: NUAN 459.

NUAN 461. Advanced Principles of Anesthesia II. 3 Units.

This course will provide an in-depth exploration of the anatomy, physiology, and pathophysiology of the renal, endocrine, immunologic, musculoskeletal, hepatobiliary, and neurologic systems in the context of anesthesia care. Implications of disease states in these systems for all types of surgery will be explored, with emphasis on anesthetic management of surgical procedures related to these systems. Prereq: NUAN 460.

NUAN 462. Advanced Principles of Anesthesia III. 3 Units.

This course will provide an in-depth exploration of the anatomy, physiology, and pathophysiology of pediatric, obstetric, geriatric, and obese patients within the context of anesthesia care. Implications of physiologic changes across the lifespan will be explored, with emphasis on the anesthetic management of anesthetic and surgical procedures related to these patient populations. Prereq: NUAN 461.

NUAN 507. Nurse Anesthesia Practice Management. 1 Unit.

This course will focus on management, entrepreneurial concepts, and topics related to nurse anesthesia practice. Seminars will focus on integrating legal, fiscal, quality improvement, and other factors that affect environments of care. Prereq: Enrolled in DNP Anesthesia program or Requisites Not Met permission.

NUAN 550A. Anesthesia Seminar I. 1 Unit.

This course is the first of a three-course sequence designed to examine the current body of knowledge related to nurse anesthesia practice. Emphasis will be placed on analysis of theory and evidence, and application of research outcomes. Prereq: NUAN 462.

NUAN 550B. Anesthesia Seminar II. 1 Unit.

This course is the second of a three-course sequence designed to examine the current body of knowledge related to nurse anesthesia practice. Emphasis will be placed on analysis of theory and evidence, and application of research outcomes. Prereq: NUAN 550A.

NUAN 550C. Anesthesia Seminar III. 1 Unit.

This course is the third of a three-course sequence designed to examine the current body of knowledge related to nurse anesthesia practice. Emphasis will be placed on analysis of theory and evidence, and application of relevant research outcomes. Prereq: NUAN 550B.

NUAN 551A. Nurse Anesthesia Advanced Clinical Practicum I. 1 Unit.

This course will emphasize nurse anesthesia care for individuals with complex medical conditions, or those who require increasingly complex procedures. Students will demonstrate advanced monitoring techniques, safe use of pharmacologic agents, and the management of high-stress situations. Prereq: NUAN 462.

NUAN 551B. Nurse Anesthesia: Advanced Clinical Practicum II. 1 Unit.

This course will emphasize nurse anesthesia care for individuals with complex medical conditions, or those who require increasingly complex procedures. Students will demonstrate advanced monitoring techniques, safe use of pharmacologic agents, and the management of high-stress situations. Prereq: NUAN 551A.

NUAN 551C. Nurse Anesthesia -Advanced Clinical Practicum III. 1 Unit.

This course will emphasize nurse anesthesia care for individuals with complex medical conditions, or those who require increasingly complex procedures. Students will demonstrate advanced monitoring techniques, safe use of pharmacologic agents, and the management of high-stress situations. Prereq: NUAN 551B.

NUAN 551D. Nurse Anesthesia-Advanced Clinical Practicum IV. 1 Unit.

This course will emphasize nurse anesthesia care for individuals with complex medical conditions, or those who require increasingly complex procedures. Students will demonstrate advanced monitoring techniques, safe use of pharmacologic agents, and the management of high-stress situations. Prereq: NUAN 551C.

NUAN 552. Nurse Anesthesia: Advanced Practice II. 1 - 5 Units.

The continuation of advanced, independent clinical nurse anesthesia administration. Emphasis is on management of higher risk patients for more difficult procedures, performing total anesthetic care with minimum of anesthesiologist supervision, and readiness for transition from student to graduate status. Prereq: NUAN 551A and NUAN 551B and NUAN 551C.

NUED (Nursing Education)

NUED 432. Common & Acute Health Problems of the Adult and Older Adult. 3 Units.

This course introduces the common and acute health problems occurring across the adult life span. A problem-oriented approach is used with emphasis on the biological, psychological, social, and cultural aspects of care. Pathophysiology, pharmacology, assessment, and diagnostic strategies specific to the acute and common problems of adults and older adults will be included. Nursing strategies used to enhance, maintain, and restore health will be emphasized. Prereq: NURS 459 and NUNP 410. Coreq: NURS 430.

NUED 434. Advanced Management in Adult and Older Adult Primary Care. 3 Units.

This course focuses on the health care concepts specific to the management of complex multidimensional health problems experienced by adults, older adults within the context of their family and community environments. Pathophysiology, assessment, and diagnostic strategies specific to complex health problems are emphasized. The selection of management strategies used to enhance outcomes will be stressed. Prereq: NUED 449.

NUED 449. Primary Care of the Older Adult. 3 Units.

This course will focus on the assessment of the older adult's nutritional needs, functional status, mental status (cognitive and affective), social support systems, and caregiver stress. These factors are analyzed in various environments, such as acute care, ambulatory care, home care, day care, long-term care, and rehabilitation. Epidemiological and health behavior models are used to assess health risks, assist with problem identification, primary, secondary, and tertiary prevention strategies. Cultural, ethnic, and developmental issues are addressed. Concepts, assessment strategies, interventions and evaluation approaches specific for older adults are identified. Prereq: NUED 432.

NUED 509. Curriculum and Instruction. 3 Units.

The purpose of this course is to explore the theoretical underpinnings of education and to examine innovative approaches to critical thinking. Students are provided the opportunity to analyze philosophies and principles of education along with teaching and learning styles. The focus of this course is on curriculum planning and development congruent with the philosophy and objectives of a nursing program. Curriculum development includes determination of program and course objectives, along with selection and organization of appropriate learning experiences to meet these objectives. Techniques for instruction in the classroom, laboratory, and clinical settings are explored.

NUED 609. Theoretical Foundations of Educational Testing and Evaluation. 2 Units.

In this course, an overview of educational measurement and evaluation is provided. Methods of evaluating teaching effectiveness, student learning, and student performance are explored. Prereq: NUED 509.

NUMN (Master of Nursing)

NUMN 400. Guided Study. 1 - 12 Units.

Independent guided study for students with special interests and/or curricular needs. May include didactic, lab, and/or clinical experiences. Separate guided study plan form required. Faculty consent required to register.

NUMN 401. Introduction to the Discipline and Practice of Nursing. 6.5 Units.

This course is an introduction to the discipline and practice of nursing. Factors influencing health and illness will be explored. Selected nursing strategies and interventions designed to support the maximum health potential of the adult client will be incorporated into lab sessions and practiced in acute care and other settings as arranged. Historical, societal, and legal influences on nursing and the role and functions of the professional nurse will be examined. Coreq: NUMN 402 and NUMN 410.

NUMN 402. Pharmacology for the Advanced Generalist Nurse. 3 Units.

This course is an introduction to the principles of pharmacology and pharmacotherapeutics, including characteristics of the major drug classifications with emphasis on drug action and adverse effects. Students will apply knowledge of pharmacology to implications for safe, patient-centered nursing care. Coreq: NUMN 401 and NUMN 410.

NUMN 403. Introduction to Health Informatics and Digital Health. 1 Unit.

This course will introduce students to health informatics, digital health, and nursing management of information within the health care setting. Students will examine core models, theories of nursing informatics and the importance of nursing involvement in the design, implementation and evaluation of information systems. Students will analyze and apply informational technology that supports clinical practice, education, research and administration. Coreq: NUMN 401.

NUMN 406. Nursing Care of Older Adults in Health and Illness. 2 Units.

This course will explore the concept of aging in health and illness with an emphasis on the older adult as an individual with the capacity to grow and develop. Theories of aging, geriatric syndromes, and the multiple interacting determinants influencing the health of older adults will be examined. Students will design and implement theory and evidence-based, safe, patient-centered nursing interventions tailored to the unique needs of older adults and their caregivers. Prereq or Coreq: NUMN 401 and NUMN 410.

NUMN 407. Acute Care Nursing of the Adult. 8.5 Units.

This course will focus on application of the nursing process to the care of adults experiencing acute and chronic alterations in health. Examination of relevant assessment findings, pathophysiology, and pharmacological interventions will be included. Emphasis will be placed on clinical practice, including nursing strategies designed to provide comprehensive, patient-centered care for the acutely ill adult. Prereq: NUMN 401 and NUMN 410.

NUMN 409. Policy for Emerging Nurse Leaders. 1.5 Unit.

This course will expand on foundational advocacy knowledge and examine goal-directed decision-making to promote health for patients, individual nurses, the profession, and society. As emerging nurse leaders, the learner will identify global policy solutions to promote patient and provider safety and quality in the workplace and in healthcare systems. The impact of political, environmental, cultural and social determinants of health and health disparities in shaping policy will be analyzed. Prereq: NUMN 414.

NUMN 410. Health Assessment for the Advanced Generalist Nurse. 2.5 Units.

This course uses a comprehensive, system-by-system, patient-centered approach to provide students with assessment and interviewing skills required for practice as an advanced generalist nurse. Students will apply critical thinking to make decisions regarding utilization of assessment findings including communication of the findings to the patient. Coreq: NUMN 401.

NUMN 411. Nursing Care of Populations in Communities. 3 Units.

This course will focus on instructional and clinical learning experiences with populations in the community, including vulnerable populations. Students will examine the influence of communities on the health of populations using an ecological perspective. Culturally-sensitive, asset-based strategies and analytical skills will be used to assess, describe, and implement nursing interventions to populations in the community. Coreq: NUMN 401.

NUMN 412A. Collaborative Practice I. 2 Units.

This course will introduce students to interprofessional education and collaboration. Students will develop knowledge, skills, and attitudes related to the four core competencies of interprofessional collaboration: 1) values for interprofessional practice, 2) understanding the roles and responsibilities of other professionals, 3) interprofessional communication, and 4) interprofessional teamwork. Cultural humility, civic responsibility, and service to others will be emphasized. Students will begin to apply these skills by participating within an interprofessional team on a community-based service learning project.

NUMN 412B. Collaborative Practice II. 1.5 Unit.

This course will build on previous learning related to interprofessional education and collaboration. Students will apply teamwork skills, culminating in the completion of a community-based service learning project designed to improve health and well-being for individuals, families, communities, and populations. Prereq: NUMN 412A.

NUMN 413. Issues and Ethics in Health Care. 2 Units.

This course introduces students to the principles underlying ethical issues and methods of rational decision making. Fundamental theories will be reviewed and applied through case analyses to address ethical dilemmas common to modern health care.

NUMN 414. Leadership and Management in Professional Nursing Practice. 2.5 Units.

This course will focus on leadership and management concepts and their application in the role of professional nursing. Students will examine management processes, leadership theory, and competencies related to clinical practice. An emphasis will be placed on professionalism, professional identity, equity, inclusion, and emotional intelligence. Internal and external factors impacting nursing management will be analyzed. Coreq: NUMN 407.

NUMN 415. Parents and Neonates in Health and Illness. 4.25 Units.

This course will focus on the health needs of women and families in the preconception, antepartum, intrapartum, and postpartum period. Health topics related to the reproductive system will be explored. The influence of intervening variables on bio-psycho-social development of the childbearing family will be analyzed. In the clinical experience, students will implement and evaluate nursing strategies designed to enhance health in parents and neonates in health and illness. Prereq: NUMN 407.

NUMN 416. Family-Centered Nursing Care of Children and Adolescents. 4.25 Units.

This course will prepare nursing students to identify the healthcare needs of children from infancy through late adolescence. Principles of childhood development and family-centered atraumatic care will be incorporated into plans for optimizing physical, mental, and psychosocial wellbeing in health and illness. The influence of family variables and social determinants of health will be analyzed. Clinical and lab experiences will provide learners the opportunity to demonstrate safe clinical reasoning and knowledge integration. Prereq: NUMN 407. Coreq: NUMN 414.

NUMN 417. Psychiatric Mental Health Nursing. 4 Units.

This course is designed to address psychiatric nursing concepts related to mental illness and addiction. The focus is on achieving optimal health for clients with acute and chronic psychiatric disorders using interpersonal techniques and applying the nursing process. Nursing strategies that are appropriate for assessment and intervention with individuals, families, and groups to facilitate optimal mental health and recovery will be discussed and evaluated. Prereq: NUMN 407

NUMN 418. Intro to Critical Care Nursing. 6 Units.

The focus of this course is on integrating the knowledge and skills required to safely and effectively provide quality patient care in the critical care setting. Emphasis is placed on implementation of the nursing process and standards of practice required to care for critically ill patients and their families. The didactic component includes topics on current practice and trends in critical care nursing. The clinical component provides students with opportunities to implement the roles and functions of the advanced generalist nurse. Prereq or Coreq: NURS 502.

NUMN 419. Advanced Generalist Nurse Leadership. 2.5 Units.

This course is part of the concentration in leadership for safe quality healthcare. It provides students with clinical practice opportunities to synthesize knowledge, skills, and attitudes, and implement the roles of the advanced generalist nurse as leader for evidence-based quality healthcare for populations across the continuum of care. Coreq: NURS 451, NURS 502, and NUMN 409.

NUMN 420. Clinical Immersion. 1 Unit.

This clinical immersion will build on previous MN clinical and didactic coursework and provide opportunities to integrate and apply knowledge and skills in a selected patient population. The course will enhance preparation for entry into professional nursing practice. Coreq: NUMN 418.

NUND (Doctor of Nursing)**NUND 450. Applied Statistics. 3 Units.**

This course will address the assumptions and applications necessary to analyze and interpret questions and research related to clinical practice. Emphasis will be on statistical interpretation of research and other scholarly activities. Data management, statistical analysis and data interpretation, as well as univariate and bivariate statistics will be examined. The course will include a brief overview of multivariate regression. The data analysis process will be examined and deconstructed throughout the course. Offered as NUND 450 and NURS 532. Prereq: STAT 201 or equivalent within past 5 years, or enrolled in the PhD Nursing program.

NUND 504. Theories for Nursing Practice and Scholarship. 3 Units.

This course will examine perspectives of the discipline, the nature of theory, theory development in nursing, and significant conceptualizations of nursing and related disciplines. Application of theory to practice, practice change and scholarship will be explored.

NUND 506. Leadership in Organizations and Systems. 3 Units.

This course introduces the student to organizational design and leadership. The focus is developing skills to effectively lead individuals and teams toward maximizing organizational effectiveness. Elements of this course will include: diversity, organization culture, systems, communication, innovation and change.

NUND 507. Business Concepts in Advanced Nursing Practice Leadership. 3 Units.

This course will focus on business concepts and issues related to advanced nursing practice leadership. Seminars will focus on integrating business-related ethical, legal, fiscal, and other intervening variables that affect environments of care. Prereq: NUND 506.

NUND 508. Health Care Policy and Planning. 3 Units.

The primary focus of this course is to explore the leadership role of nurses in health policy development and implementation as well as the role of research in health care policy formation and planning. Special emphasis is placed on selected national and international health policy issues that form the socio-political and economic context of nursing care and practice. Ethical dimensions of public policy formulations and implementation are highlighted. Offered as NUND 508 and NURS 609.

NUND 509. Foundations of Leadership in Nursing Education. 3 Units.

This course will emphasize educational leadership and faculty development, focusing on the scholarship of teaching, research, and service. The learner will apply theoretical principles to enhance teaching, learning, assessment, and mentoring at the course or program level in academic and practice settings. Prereq: NUND 506.

NUND 510. Application of Health Information Technology and Systems. 1 Unit.

This course will provide an overview of health information technology (HIT), including evolving trends. Policy, legal and ethical issues will be explored related to the use of HIT by health care providers and consumers. Evaluation of HIT will be incorporated in the course.

NUND 512. Advanced Leadership and Management in Health Care Organizations. 2 Units.

This course will focus on the system-level executive leadership role of nurses in health care organizations. The course will examine strategic leadership and management planning, process improvement, and local, national and global influences on health system functioning. Emphasis will be placed on developing executive strategies within the dynamics of competitive health care environments. Prereq: NUND 504 and NUND 506.

NUND 540. Practice Focused Inquiry I. 3 Units.

This course will introduce the student to a variety of approaches that can be used for practice-focused inquiry, including concepts related to population health. Applications of beginning elements of the scholarly process to practice-focused inquiry will be reviewed. Elements include development of a problem statement and literature review. (Alternate pre-req to NUND 450: Applied statistics course within the past 5 years). Prereq: NUND 504 and NUND 450.

NUND 541. Practice-Focused Inquiry II. 3 Units.

This course builds on Practice-Focused Inquiry I. The content expands student understanding of practice-focused methodology, including aims, a conceptual or theoretical framework, setting, sample, sources of data, measures and instruments. The student applies appropriate methodology to the development of a plan for their scholarly practice-focused project. Ethical issues and mechanisms for dissemination of the project results are included. Prereq: NUND 540.

NUND 607. Advanced Leadership in Healthcare. 2 Units.

This course will build upon and apply knowledge of leadership strategies from previous coursework. Students will address the successful management of clinical challenges within the dynamic healthcare environment. The course will emphasize the development of strategic capacity, enabling students to navigate complex clinical issues within the healthcare setting. Prereq: NUND 507.

NUND 609. Systems Leadership in Educational Practice. 2 Units.

This course will examine the nurse's role as an education leader in academic and practice settings at the system level. Learners will explore theories and principles of educational leadership and management. Strategies to promote diversity, equity, and inclusion will be examined. Interprofessional competencies will be explored. Prereq: NUND 509.

NUND 610. Translating Evidence into Nursing Practice. 3 Units.

This course focuses on methods for developing best practice protocols, and translating them into practice.

NUND 611. DNP Practicum. 1 - 2 Units.

Under the guidance of the faculty advisor and designated mentor (s), the student will develop, implement and evaluate specific clinical practice experience(s) that prepare the student to lead in collaborative practice.

Selected competencies of the DNP-prepared nurse will be advanced.

Note: Admission to the DNP Program required. Prereq: NUND 504 or NUND 506.

NUND 612. Transformational Leadership in Executive Nursing Practice. 3 Units.

This course will focus on transformational leadership and entrepreneurial concepts as applied to executive nursing practice. This course will include theoretical understandings of innovation, visioning and inspirational skills to lead change and improve clinical nurse and patient/client outcomes at the organizational system level, within the context of complex health care systems. Prereq: NUND 512.

NUND 615. Teaching Practicum. 1 - 6 Units.

In this preceptored teaching practicum, the student may engage in classroom, laboratory, and clinical teaching assignments in nursing. The student will be expected to use current educational theory and nursing knowledge in completing the practicum experience (minimum 60 hours). Prereq: NUND 609 or NURS 619.

NUND 619. DNP Project Proposal Development. 1 - 2 Units.

Under the guidance of the student's chair and committee, the student will develop a proposal for a project to address a practice-based problem. Prereq: NUND 541.

NUND 620. DNP Project Implementation. 1 - 3 Units.

Under the guidance of the advisor and committee, the student will complete a systematic investigation of a previously identified practice-based problem. The experience will include acceptable decision on the project by the CWRU Institutional Review Board (IRB), and outside IRB if necessary, and analysis of data. The project will culminate with a written report, including results and discussion, and an oral defense of the project. Completion of Proposal Development (NUND 619, at least 2 credits) and all DNP coursework is required. May be taken concurrently with NUND 611 Practicum. Prereq: NUND 619.

NUNP (Nurse Practitioner)

NUNP 401. Development and Health Promotion in Children and Adolescents. 3 Units.

This course will examine the concepts of development and health promotion in children and adolescents. Concepts and theories from nursing and other related disciplines will be explored. Clinical application of theories and advanced nursing strategies to optimize the health of children, adolescents, and their families will be emphasized in the professional role development of students. Prereq: Enrolled in MSN program.

NUNP 402. Common and Acute Health Problems of Children. 6 Units.

This course will introduce the common and acute health problems occurring in infancy through adolescence using a biological, psychological, social, cultural, and family-centered approach. Knowledge of pathophysiology, advanced assessment, and diagnostic reasoning for acute and common problems in children and adolescents will be emphasized. Strategies used to improve health outcomes will be discussed. Prereq: NURS 453, NURS 459 and NUNP 410. Prereq or Coreq: NURS 430.

NUNP 403. Advanced Management in Pediatric Primary Care. 5 Units.

This course will focus on the primary and rehabilitative health care management of complex, multi-dimensional health problems experienced by children and adolescents within the context of their family and community environments. Pathophysiology, advanced assessment, and diagnostic reasoning specific to complex health problems in children and adolescents will be emphasized. Emphasis will be placed on the consultation and referral processes within interprofessional teams. Prereq: NUNP 402.

NUNP 405. Foundations for the Neonatal Nurse Practitioner. 3 Units.

This course introduces the role of the Neonatal Nurse Practitioner and concepts relevant to the management of the neonate. Students analyze nursing strategies to optimize health behaviors in families with neonates. Coreq: NUNP 416.

NUNP 410. Health Promotion Across the Life Span. 2 Units.

This course introduces diagnostic reasoning skills related to health promotion, disease prevention, and maintenance of function across the lifespan. Students develop skills that foster wellness in individuals, families, and communities. Epidemiological principles, risk appraisals, and other strategies are incorporated.

NUNP 412. Health Problems of the Neonate. 4 Units.

This course will focus on the high-risk neonate. Advanced practice nursing strategies that enhance, maintain, and restore health in ill neonates and their families will be addressed. Diagnostic and therapeutic approaches specific to the neonate will be emphasized. Prereq: NUNP 405 and NUNP 416.

NUNP 413. Adv Mgmt Acutely Ill Neonate. 3 Units.

This course will focus on assessment, and diagnostic approaches in implementation of management plans for neonates with acute health problems. Pathophysiologic changes specific to neonates with acute health problems will be incorporated. Concepts related to discharge planning and long-term follow-up will be introduced. Prereq: NUNP 405 and NUNP 412.

NUNP 414. Advanced Management of Neonates with Complex Health Problems. 5 Units.

This course will focus on assessment and diagnostic approaches in implementation of management plans for neonates with acute and complex health problems. Pathophysiologic changes specific to neonates with complex health problems will be incorporated. Emphasis will be placed on consultation and referral processes within interprofessional teams. Prereq: NUNP 413.

NUNP 416. Integrated Assessment of the Neonate. 3 Units.

This course will introduce principles fundamental to the integrated assessment of the neonate. It will stress perinatal history taking including assessment of genetic risks, gestational age assessment, and physical assessment skills. The course will provide the basis for problem identification, decision making, advanced therapeutics, and case management. Coreq: NUNP 405.

NUNP 419. Family Health Nursing: Health of Adults and Older Adults. 5 Units.

This course will introduce students to the practice of primary health care of adults and older adults. Principles of health promotion, disease prevention, management of common acute and chronic health problems and the impact of the family will be incorporated. Emphasis will be placed on the physical, psychological, social and cultural aspects of care. Pathophysiology, assessment and diagnostic techniques specific to common acute and chronic health problems will be integrated. Strategies related to health and illness care will be used to enhance, maintain, and restore health. Collaboration with other health care professionals will be integrated to enhance patient outcomes. Prereq: NURS 453, NURS 459 and NUNP 410. Coreq: NURS 430.

NUNP 429. Health Promotion & Common Reproductive Health Problems of Adolescents and Adults. 4 Units.

This course introduces the student to the care of the woman from puberty through menopause and her family. Physical and psychosocial health and deviations before, during, and after the childbearing years are assessed. The course content includes principles of education for childbearing, parenting, and fertility control. Strategies to optimize health-seeking behaviors are identified. Content on pregnancy and postpartum care is integrated into the course. Prereq: NURS 459.

NUNP 432. Common & Acute Health Problems of the Adult and Older Adult. 5 Units.

This course will introduce the common and acute health problems occurring across the adult life span. A problem-oriented approach will be used with emphasis on the biological, psychological, social, and cultural aspects of care. Advanced assessment, and diagnostic reasoning strategies specific to the acute and common problems of adults and older adults will be included. Principles of pathophysiology and pharmacology will be incorporated. Advanced practice nursing strategies to enhance, maintain, and restore health will be emphasized. Prereq: NURS 453, NURS 459 and NUNP 410. Prereq or Coreq: NURS 430.

NUNP 434. Advanced Management in Adult and Older Adult Primary Care. 5 Units.

This course will focus on health care concepts specific to the management of complex multidimensional health problems experienced by adults and older adults within the context of their family and community environments. Pathophysiology, assessment, and diagnostic strategies specific to complex health problems will be emphasized. Principles of pathophysiology and pharmacology will be incorporated in the development, implementation, and evaluation of plans of care to enhance patient outcomes. Prereq: NUNP 449.

NUNP 438. Foundations for Adult-Gerontology Acute Care Nursing. 4 Units.

The course focuses on establishing elements of advanced nursing practice assessment and diagnostic reasoning across the continuum of healthcare services to meet the specialized physiologic and psychological needs of adults and older adults with complex acute and/or chronic health conditions. Prereq or Coreq: NURS 453 and NURS 459 or students with an MSN and NP certification, permission of faculty.

NUNP 439. Family Health Nursing: Health of Children and Adolescents. 4 Units.

In this course, students will be introduced to the influence of family dynamics in the practice of primary health care of children and adolescents. The course will include the application of the principles of growth and development, disease prevention, health promotion, and management of common acute and chronic health problems in children and adolescents. Clinical application of strategies to optimize health seeking behaviors will be emphasized. Collaboration with other health care professionals to enhance patient care will be reinforced. Prereq: NUNP 429.

NUNP 443. Acute Health Problems of Adults and Older Adults. 6 Units.

In this second of sequenced Adult-Gerontology Acute Care Nursing clinical courses, the emphasis is on the pathophysiology, assessment, and diagnostic approaches to adults and older adults with complex acute and chronic health disorders that manifest with physiologic instability. The clinical practicum focuses on further development of diagnostic reasoning, clinical judgment, caring practices, and collaboration in health care systems that deliver acute and critical advanced practice nursing. Prereq or Coreq: NURS 438 and NURS 459 and NURS 453 and NURS 430 or Requisites Not Met permission.

NUNP 444. Advanced Management of Acutely Ill Adults and Older Adults. 4 Units.

This third clinical course in the Adult-Gerontology Acute Care Nurse Practitioner sequence focuses on concepts specific to complex, multi-dimensional health problems of acute and critically ill adults and older adults. Clinical practice focuses on the management of patients with complex health problems and life-threatening conditions across the entire adult population. Prereq: NUNP 443.

NUNP 449. Advanced Practice Nursing Care of the Older Adult. 4 Units.

This course will integrate the principles of health promotion, disease prevention and rehabilitation in the care of older adults. The assessment of nutritional needs, functional status, mental status, social support systems, and caregiver stress will be addressed. These factors are analyzed in various environments of care. Cultural, ethnic, and developmental issues are addressed. The diagnosis, treatment and management of acute and chronic conditions associated with aging, but that can also occur in younger adults, are presented. Interventions appropriate to restore or maintain an optimal level of function will be included. Palliative and end-of-life care will be addressed. Prereq: NUNP 432.

NUNP 455. Management of Complex Acute Problems in Children and Adolescents I. 4 Units.

This course will apply knowledge, evidence, advanced skills, interventions, and pharmacotherapy in the management of children and adolescents with acute, chronic and critical conditions within the context of family-centered care. Assessment strategies and management principles will be addressed. (Minimum of one year nursing experience in a pediatric acute care setting. Certification in PALS is required.) Prereq or Coreq: NUNP 402.

NUNP 456. Management of Complex Acute Problems in Children and Adolescents II. 5 Units.

This course will integrate knowledge, research, advanced skills and interventions with children and adolescents with complex acute, critical and chronic health conditions. Advanced practice strategies and management principles will be addressed including knowledge and skills with technological assessment modalities and procedures associated with the care of acutely and critically ill children and adolescents within the context of family-centered care. Prereq: NUNP 455.

NUNP 464. Global Clinical Learning. 1 Unit.

This course will allow the MSN student to engage in clinical work in low and middle income medically underserved communities providing direct patient care under clinical supervision of MSN faculty. Students will prepare for the experience by gaining knowledge of the history and culture of the region, common diseases prevalent in the area and orientation to the site operations. The student will focus on the 1) steps to diagnose, treat and implement a plan of care for area specific diseases; 2) culturally and resource appropriate treatments; 3) dental hygiene and nutrition as they impact the health of the local population. Students will prepare culturally appropriate presentations for local nurses and contribute to the preparation of non-medical members of the team for patient safety using current evidence based practices. Offered as NUNP 464 and NURS 464. Prereq: Enrollment in MSN, DNP or PhD in Nursing Program.

NURS (School of Nursing)**NURS 115. Foundations of Nursing Practice I. 4 Units.**

This course is designed to introduce the student to the practice, profession, and discipline of nursing. Critical historical influences on the development of the profession will be discussed. The relationship between evidence, theory, and nursing care will be explored. Contemporary nursing will be examined with a focus on patient safety, interdisciplinary care, and innovative strategies to attain optimum health. The basic components of the nursing process will be presented as a framework for beginning clinical practice.

NURS 122. Foundations of Nursing Practice II. 3 Units.

This course will build on concepts essential to nursing practice presented in Foundations of Nursing Practice I. It will focus on strategies, skills, and techniques to obtain a comprehensive individual health history, family health history, and physical examination. Therapeutic nursing interventions based on assessment and scientific knowledge will be performed. Prereq: (BIOL 114 with a grade of C or better or a score of 4 or higher on the Biology AP exam), BIOL 116 with a grade of C or better, and NURS 115 with a grade of C or better.

NURS 160. Health Care in the Community. 1 Unit.

This course will integrate social disparities in healthcare outcomes with the delivery of culturally appropriate, community-based healthcare interventions. Students will engage in a community clinical experience in a community-based facility. Population health, public health nursing, and community assessment will be emphasized.

NURS 201. Applied Nutrition in Health and Disease. 2 Units.

This course will build upon the student's previous knowledge base regarding human physiology and metabolism. Nutrients and their function, food sources, and requirements will be highlighted as well as changes related to different stages in the lifespan. Prereq: (BIOL 114 with a grade of C or better or a score of 4 or higher on the Biology AP exam) and BIOL 116 with a grade of C or better.

NURS 210. Teaching/Learning in the Community. 1 Unit.

This course will expand on foundational public health nursing concepts to develop student knowledge, skills, and attitudes in providing culturally appropriate health care education to diverse populations. This course will explore the syndemic relationships between learning needs, health literacy, teaching/learning interventions, and evaluation of learning. Students will engage in classroom and experiential teaching/learning encounters. Prereq: NURS 160.

NURS 211. Introduction to Pharmacology I. 1.5 Unit.

This is the first of two courses which will introduce the basic principles of pharmacology and pharmacotherapeutics, including a review of the characteristics and use of major drug classifications with an emphasis on nursing implications. The pharmacological content presented in this course will be coordinated with Nursing Care of the Adult 1 with emphasis focused on patients experiencing co-morbid conditions. Prereq: BIOL 117, CHEM 119, and NURS 122. Coreq: NURS 230.

NURS 212. Introduction to Pharmacology II. 1.5 Unit.

This is the second of two courses which will introduce the basic principles of pharmacology and pharmacotherapeutics, including a review of the characteristics and use of major drug classifications with an emphasis on nursing implications. The pharmacological content in this course will be coordinated with Nursing Care of the Adult 2 with emphasis focused on patients experiencing co-morbid conditions. Prereq: NURS 211 and NURS 230. Coreq: NURS 240 and NURS 317.

NURS 230. Nursing Care of the Adult I. 5 Units.

This is the first of two courses that will focus on the application of the nursing process to adults experiencing common acute and chronic health alterations. Special emphasis will be placed on patient assessment, diagnostic testing, and medication teaching and administration. The concept of transition from inpatient to primary care will be discussed. Prereq: BIOL 117, CHEM 119, and NURS 122. Coreq: NURS 211.

NURS 240. Nursing Care of the Adult II. 4.75 Units.

This course will build upon the knowledge and skills mastered in NURS 230. Students will collaborate with members of the health care team to plan, implement, and evaluate nursing interventions and provide comprehensive care. Primary and transitional care planning will be emphasized for the adult with chronic health issues and comorbid conditions. Prereq: CHEM 121, NURS 211, and NURS 230. Coreq: NURS 212.

NURS 250. Aging in Health and Illness. 2 Units.

This course will explore the concept of aging as a healthy developmental process with a particular focus on older adults as active, independent and contributing members of the community. Content will include the process of healthy aging, major health problems for which older adults are at risk, and policy issues. Prereq: BIOL 117, CHEM 119, NURS 122. Coreq: NURS 211.

NURS 260. Evidence Based Public Policy in the Community. 1 Unit.

This course will expand on foundational public health nursing concepts to develop student knowledge, skills, and attitudes in providing culturally appropriate health care interventions to diverse populations. Focusing on evidence-based knowledge and skills, students will apply concepts of teamwork and collaboration while participating in a public policy health promotion initiative.

NURS 277. BCLS and First Aid for Health Care Providers. 0 Unit.

Designed for healthcare professional students, this course follows the American Heart Association Basic Life Support (BLS) for Healthcare Providers Course objectives. It provides a variety of healthcare professional students the ability to recognize several life-threatening emergencies, provide CPR, use an AED, and relieve choking in a safe, timely and effective manner. Basic first aid skills are also included in this course.

NURS 310. Leadership in the Community. 1 Unit.

This course will expand on foundational public health nursing concepts to develop student knowledge, leadership skills and attitudes in providing culturally appropriate health care. Students will explore nursing's role as a community health advocate and leader. Students will apply team leadership concepts while participating in a public policy health promotion initiative utilizing a balance between knowledge-centered and skill-centered approaches.

NURS 315. Parents and Neonates in Health and Illness. 4.5 Units.

This course will examine childbearing families and their health seeking behaviors from a developmental perspective. Content will include nursing knowledge and skills related to assessment of health status of parents and neonates. Nursing strategies will focus on interventions to promote, restore, and maintain health. Prereq: NURS 240, NURS 317, NURS 342, and SOCI 203.

NURS 316. Child Health Nursing. 4.5 Units.

This course will build on knowledge and skills acquired in previous adult courses to tailor nursing care to infants, children, adolescents, and their families. Students will apply the nursing process within the context of the child/family's culture and community and will examine acute and chronic conditions along with health promotion and maintenance. Growth and development, communication, evidence-based practice, interprofessional collaboration, quality, and safety will be emphasized. Prereq: NURS 212, NURS 240, NURS 317, NURS 342, and SOCI 203. Coreq: NURS 315.

NURS 317. Psychiatric-Mental Health Nursing. 3.75 Units.

This course will address psychiatric and mental health nursing concepts, focusing on patients with acute and chronic psychiatric disorders and their mental health. Students will discuss and practice nursing strategies that promote mental health which are appropriate for assessment and intervention throughout the lifespan. Prereq: NURS 211 and NURS 230. Coreq: NURS 212.

NURS 320. Theoretical and Evidence Bases for Best Practice in Nursing. 3 Units.

This course will explore the theoretical and evidence bases for best practices in nursing. Theoretical underpinnings of nursing practice and nursing science, research design and methods, evidence-based practice, and the process of evaluation of the evidence supporting practice will be discussed. Additionally, the course will introduce students to quality improvement and implementation science to integrate evidence into practice. Counts as SAGES Departmental Seminar. Prereq: STAT 201.

NURS 338. Care of the Adult with Complex Health Conditions. 4.5 Units.

This course will provide the student with the knowledge and skills to care for complex, acutely ill adult patients who present with co-morbid conditions who may be supported by medical devices and technologies. This complexity encompasses the physical, psychological, social, spiritual, and ethical domains of care and includes both the patient and the family. Prereq: NURS 212, NURS 240, NURS 342 and NURS 317. Coreq: NURS 339.

NURS 339. Care of the Perioperative Patient. 3.5 Units.

This course will provide the student with a dynamic learning experience in a perioperative interprofessional environment to enhance the knowledge, cognitive and psychomotor skills to care for patients undergoing operative or invasive procedures. Course didactic, lab, and clinical components will be guided by The Quality and Safety Education for Nurses (QSEN) competencies. The Perioperative Patient-Focused Model (Association of periOperative Registered Nurses) will be introduced. Communication skills, advocacy and leadership will be emphasized in the context of nursing care within and outside of the perioperative environment. Prereq: NURS 212, NURS 240, NURS 317 and NURS 342. Coreq: NURS 338.

NURS 341. Concepts of Leadership and Management in Nursing Practice. 3 Units.

This course will focus on basic concepts related to leadership and management in the provision of nursing care. Students will examine management processes, leadership theory, and related competencies for individual clinical practice. An emphasis will be placed on professionalism, professional identity, equity, inclusion in care, and emotional intelligence. Internal environmental factors and external influences that impact nursing management will be analyzed. Prereq: NURS 315, NURS 316, NURS 338, NURS 339.

NURS 342. Medical Microbiology, Immunity, and Infectious Disease. 4 Units.

This course will provide the foundation of general microbiology necessary for students who are enrolled in nursing. This course will introduce the core concepts and basic principles in microbiology, examining microorganisms and how they interact with humans and the environment. Information regarding classification of microorganisms, characteristics of different cell types and processes critical for cell survival will be presented. Topics such as bacterial metabolism, microbial nutrition, genetics, anti-microbial approaches and interaction of pathogenic bacteria with humans will be discussed. The course will include a laboratory component designed to complement lecture topics. Prereq: BIOL 117 and CHEM 121.

NURS 343. Ethics in Nursing and Health Care. 2 Units.

This course will introduce students to ethical issues in nursing and healthcare. Fundamental ethical theories and decision-making frameworks will be applied to ethical dilemmas common to modern health care in a morally pluralistic society. Students will examine the role of ethics in professional nursing practice. Prereq: NURS 315, NURS 316, NURS 338, and NURS 339.

NURS 345. Nursing Informatics II. 2 Units.

This course builds on information learned in NURS 120, and focuses on the use of informatics in nursing practice, education, and research. The emphasis is on using informatics to solve clinical problems. The course addresses how nursing informatics has evolved as a discipline and explores career options in nursing informatics. Current policy and legislative influences on health care technology are also addressed. Prereq: NURS 120.

NURS 360. Process Change in the Community. 1 Unit.

This course expands on the foundational public health nursing concepts to develop student knowledge, skills, and attitudes in providing culturally appropriate health care. By analyzing key components that influence health and wellness, students will explore nursing's role as a community health advocate and educator in the promotion of health and health behaviors.

NURS 370. Information Technologies in Health. 1 Unit.

This course will focus on the application of advanced information technologies in the health care of patients, communities, and populations. Building on clinical experiences, the course will explore contemporary issues in health information technologies and ways in which nurses can assess data and utilize information technology to support delivery of care.

NURS 371. Population Health Nursing. 3 Units.

In this course, students will develop knowledge and competencies in applying key concepts of population-based health, including public health nursing, social determinants of health, and epidemiology to care for individuals, families, communities, and populations. Through classroom experiences, students will discover strategies to assess, plan, implement, and evaluate population-focused programs. Prereq: NURS 310 and NURS 360.

NURS 372. Health in the Global Community. 3 Units.

This course will focus on an analysis of the forces shaping community and global health patterns. Drawing on multidisciplinary sources, this course will explore the impact of these global processes as they manifest in the health of our own and other societies. Emphasis will be placed on analysis of the broad cultural, environmental, socio-economic, and political systems that contribute to health status and outcomes, health policies and health care delivery around the world.

NURS 373. Population Health Practicum. 5 Units.

This practicum will provide students with the opportunity to analyze the concepts of population health, healthcare quality, health policy, systems-based practice, culture, and ethics through a community-based immersion experience. Students will apply epidemiological methods, community assessment, leadership, teamwork, collaboration, partnership building, and evidence-based nursing practice to identify and analyze a population health concern leading to the development of an intervention. Counts as SAGES Senior Capstone. Prereq: NURS 315, NURS 316, NURS 338, NURS 339. Coreq: NURS 371 and NURS 372.

NURS 380. Transition to Practice. 8 Units.

This course will prepare students to transition to professional nursing practice by integrating principles of communication, collaboration, and clinical decision making necessary to provide safe, quality nursing care for patients and their families with complex issues of health and illness. Emphasis will be placed on clinical practice and nursing strategies designed to provide comprehensive, patient-centered care for select populations. Prereq: NURS 315, NURS 316, NURS 338 and NURS 339.

NURS 394. Global Health Seminar. 3 Units.

The focus of this course is the issues and trends in global health from both a nursing and a trans-disciplinary perspective. The course covers how international social, political, economic, environmental, and cultural issues affect health and health care. Particular emphasis is placed on nursing's contribution to global health issues and outcomes. Offered as: NURS 394 and NURS 494.

NURS 395. Global Health and Culture in Diverse Populations. 3 Units.

This elective course will use didactic and experiential learning, including travel abroad, to expose students to health care and population health in other countries. The focus of the course will be on issues and trends in global health from a trans-disciplinary perspective. International historical, social, economic, environmental, and cultural issues affecting health and health care will be examined. (Junior or graduate status required). Offered as NURS 395 and NURS 495.

NURS 399. Independent Study. 1 - 12 Units.

Independent guided study for undergraduate students with special interests and/or curricular needs. The course may include didactic, lab and/or clinical experiences. Faculty consent required to register.

NURS 400. Guided Study in Nursing. 1 - 12 Units.

Independent guided study for students with special interests and/or curricular needs. May include didactic, lab, and/or clinical. Separate guided study plan form required. Faculty consent required to register.

NURS 401. Human Growth and Development through the Lifespan. 3 Units.

This course will provide an overview of major concepts, theories and research related to human growth and development from birth to death. An emphasis will be placed on providing culturally appropriate care to all, respecting the diversity and breadth of the human experience.

NURS 404. Emergent Care of the Child. 2 Units.

This course provides an introduction to the care of the child requiring critical care transport (CCT). This course examines pathophysiology, assessment, diagnostic approaches, and interventions specific to emergent care of infants, children and adolescents by advanced nursing practice in CCT. Prereq: NURS 406.

NURS 405. Inquiry I - Theoretical Foundations. 2 Units.

This course provides an introduction to conceptual and theoretical thinking. Students will examine knowledge development in nursing, conceptual structures, and their uses as a basis for nursing practice and research.

NURS 406. Flight Nursing Seminar I. 1 Unit.

This course introduces the knowledge and skill set for advanced nursing practice in critical care transport. The unique features of delivering care in the critical care transport environment are emphasized.

NURS 407. Critical Care Transport and Advanced Nursing Practice 2. 1 Unit.

This course further develops the knowledge and skill set of advanced nursing practice to deliver care to individuals and groups of patients with critical illness. Emphasis is placed on diagnostic reasoning and patient management in unstructured environments. Prereq: NURS 406.

NURS 412. Practice Change Implementation. 1 Unit.

The course will focus on evidence-based practice implementation and quality improvement methods to facilitate effective management of practice change. Students will define quality and safety problems in the healthcare system in which they work and then implement a change. The course will cover issues related to evidence-based practice, teamwork, systems science, change management, design thinking, and data analytics. Students will apply the concepts to practice through an implementation/quality improvement project. This course requires permission of faculty. Students will complete a minimum of 30 practicum hours during the course.

NURS 415. Introduction to Childbirth. 1 Unit.

This course will provide an overview of the process of physiologic labor and birth and methods to facilitate normal processes and minimize interventions. Anatomical and physiologic factors of labor and birth will be explored in detail. The psychological, social, and cultural influences on labor will be examined. Preparation for childbirth by the woman and her family will be explored. The influences of family and health care providers during the labor and birth process will be analyzed.

NURS 416. Integrated Assessment of the Neonate for Midwives. 1 Unit.

This course will introduce concepts fundamental to the integrated assessment of the neonate. Skills in physical, behavioral, and gestational age assessment will be developed. The course will provide the basis for identification of deviations from normal and consultation and/or referral to appropriate health services as indicated. Coreq: NURS 457.

NURS 420. History of Advanced Practice Nursing. 1 Unit.

This course will provide an overview of the history of advanced practice nursing in the United States. The social, political, and economic factors driving the establishment of advanced practice nursing will be explored. Students will have an opportunity to thoroughly explore the history and evolution of a particular advanced practice nursing role.

NURS 425. Inquiry II - Research Process. 3 Units.

This course emphasizes scholarly inquiry, scientific integrity and scientific investigation. It includes study of the research process, particularly design, sampling, data collection and analysis, and interpretation and reporting of findings. Prereq: NURS 405.

NURS 430. Advanced Pharmacology. 3 Units.

This course focuses on the application of advanced pharmacology and pharmacotherapeutics for common conditions across the lifespan. Principles of pharmacokinetics, pharmacodynamics, and pharmacogenomics are applied. Pharmacotherapeutic decision points congruent with effective prescribing are emphasized, including integrating the ethical, legal and cost-benefits of pharmacological interventions. This course is designed to build on diagnostic reasoning and prior pharmacology study of actions and effects of drugs on the human system. RN licensure and practice recommended Prereq: Enrolled in MSN, DNP or PhD Nursing program.

NURS 431. Psychosocial and Spiritual Dimensions of Advanced Nursing Practice. 2 Units.

This course will focus on psychosocial and spiritual dimensions of care. Focused interviewing, counseling, and coaching skills will be examined. Skills in assessing spirituality depression, psychological distress, suicide risk, and substance use issues will be addressed.

NURS 444A. Ethical Issues in Advanced Nursing Practice. 1 Unit.

The focus of this course is ethical decision-making for advanced nursing practice. The interaction between the health care delivery system and ethical decision making is explored. The role of the nurse in identifying and addressing ethical dilemmas and applying communication strategies in assisting patients and families and the interdisciplinary team is emphasized.

NURS 444B. Health Care Delivery and Finance in Advanced Practice. 1 Unit.

The focus of this course is the study of the financial and business factors related to health care delivery and advanced practice nursing. Students will discuss strategies related to business practices, coding, billing, and reimbursement.

NURS 444C. Health Policy Legislation and Legal Issues in Advanced Practice. 1 Unit.

The focus of this course is the critical analysis of health policy and legal issues. Strategies for influencing health policy will be explored.

NURS 451. Leadership for Quality Healthcare within Organizations and Systems. 3 Units.

This course will prepare the student to take a leadership role within organizations and systems to improve the quality of health care. Theory-based strategies to promote change within organizations and systems will be examined. The influence of structural and contextual factors on health, current and emerging information technologies, and communication patterns influencing outcomes of care will be explored.

NURS 453. Advanced Pathophysiology. 4 Units.

This course focuses on the biologic alterations produced by injury or disease among individuals across the lifespan. Physiologic and pathophysiologic concepts that contribute to an individual's capacity for health and susceptibility to illness are examined. Prereq: Enrolled in Master of Science in Nursing Program.

NURS 453A. Advanced Physiology & Pathophysiology I. 2 Units.

This course will focus on physiologic function and pathophysiologic alterations produced by injury or disease among individuals across the lifespan. Physiologic and pathophysiologic concepts that contribute to an individual's capacity for health and susceptibility to illness will be examined. This will be the first of a two-course series focusing on advanced physiology and pathophysiology. This course will include an examination of cellular and tissue physiology, genetics, immunology, cancer biology, and neurologic systems. (Enrollment in MSN, DNP or PhD in Nursing Program)

NURS 453B. Advanced Physiology & Pathophysiology II. 3 Units.

This course will focus on the physiologic function and pathophysiologic alterations produced by injury or disease among individuals across the lifespan. Physiologic and pathophysiologic concepts that contribute to an individual's capacity for health and susceptibility to illness will be examined. This will be the second of a two-course series focusing on physiology and pathophysiology. This course will include an examination of cardiovascular, pulmonary, hematologic, endocrine, renal, gastrointestinal, musculoskeletal, and reproductive systems. (Enrollment in MSN, DNP or PhD in Nursing Program) Prereq: NURS 453A.

NURS 454. Gynecologic, Reproductive, and Sexual Health Care. 3 Units.

In this course, students will learn to assess and manage common gynecologic, reproductive, and sexual health issues encountered by adolescents and adults in ambulatory settings. Comprehensive care for all available contraceptive methods will be addressed. Cultural safety will be integrated throughout the clinical experience. Supervised clinical experience will focus on achieving the foundation for beginning practice, anticipating and identifying complications and participating in consultations, referrals and collaborative management. This course does not address antepartum, intrapartum, or postpartum care. Prereq: NURS 459. Coreq: NURS 453.

NURS 455. The Childbearing Family. 4 Units.

In this course, students will learn to assess and manage common perinatal issues in ambulatory settings. Comprehensive care including physical, psychological, and cultural safety will be integrated throughout the clinical experience. Supervised clinical experience will focus on common aspects of pregnancy, prevention of problems, promotion of health behaviors, and participation in consultations, referrals, and collaborative management. Prereq: NURS 453 and NURS 454. Coreq: NURS 430.

NURS 457. Labor and Birth. 5 Units.

In this course, students will learn to assess and manage common intrapartum and immediate postpartum issues encountered by a diverse population in inpatient settings. Facilitating the process of physiologic labor and birth and providing physical, psychological, emotional, spiritual, and social support will be emphasized. Cultural safety will be integrated throughout the clinical experience. Supervised clinical experience will include anticipating and identifying complications, including emergency situations, and participating in consultations, referrals, and collaborative management. Prereq: NURS 559.

NURS 459. Advanced Health Assessment. 3 Units.

This course focuses on advanced assessment of individuals across the lifespan. This course incorporates communication skills, interpretation of data, and diagnostic reasoning. Prereq: Enrolled in Master of Science in Nursing Program.

NURS 464. Global Clinical Learning. 1 Unit.

This course will allow the MSN student to engage in clinical work in low and middle income medically underserved communities providing direct patient care under clinical supervision of MSN faculty. Students will prepare for the experience by gaining knowledge of the history and culture of the region, common diseases prevalent in the area and orientation to the site operations. The student will focus on the 1) steps to diagnose, treat and implement a plan of care for area specific diseases; 2) culturally and resource appropriate treatments; 3) dental hygiene and nutrition as they impact the health of the local population. Students will prepare culturally appropriate presentations for local nurses and contribute to the preparation of non-medical members of the team for patient safety using current evidence based practices. Offered as NUNP 464 and NURS 464. Prereq: Enrollment in MSN, DNP or PhD in Nursing Program.

NURS 465. Psychopharmacology. 2 Units.

Course content will focus on drug categories commonly used to treat psychiatric disorders and clinical implications for the patient and family. Substance use disorder/Alcohol use disorder and application of detoxification protocols will be described. Pain management and current APRN practice in prescribing will be discussed.

NURS 466. Promoting Health Across Boundaries. 3 Units.

This course examines the concepts of health and boundary spanning and how the synergy of the two can produce new, effective approaches to promoting health. Students will explore and analyze examples of individuals and organizations boundary spanning for health to identify practice features affecting health, compare and contrast practices and approaches, and evaluate features and context that promote or inhibit boundary spanning and promoting health. Offered as MPHP 466, PQHS 466, SOCI 466, NURS 466 and BETH 466. Prereq: Graduate student status or instructor consent.

NURS 468. The Continual Improvement of Healthcare: An Interdisciplinary Course. 3 Units.

This course prepares students to be members of interprofessional teams to engage in the continual improvement in health care. The focus is on working together for the benefit of patients and communities to enhance quality and safety. Offered as PQHS 468, MPHP 468, and NURS 468.

NURS 473. Advanced Psychopathology Across the Lifespan: Part I (Infant through Young Adult). 2 Units.

The course will focus on the assessment and diagnosis of psychopathology in children of all ages, infants through young adults. Behavioral deviations from normal growth and development will be assessed while considering age, social, cultural, and economic differences. The responses of family members to psychopathology, violence and substance use in this age group will be discussed.

NURS 474. Advanced Psychopathology Across the Lifespan Part II (Adult and Older Adult). 2 Units.

This course will focus on the assessment and diagnosis of psychopathology in adults and older adults. Behavioral /cognitive deviations from normal growth and development will be evaluated while considering socio-cultural differences and age-appropriate behavior. Responses of family members in relation to adults or older adults' psychopathology, violence and substance use will be discussed. Prereq: NURS 473.

NURS 475. General Systems Theory: Foundations for Practice. 2 Units.

This foundational seminar will introduce General Systems Theory as a framework for understanding complex entities comprised of component parts that are in constant and mutual interaction. The concepts covered will emphasize the openness and flexibility of a system by attending to its entirety as opposed to focusing on separate parts. The focus will be on the organizational structure and processes controlled through cybernetics that allow system adaptation and transformation. Students will apply General Systems Theory to address the mental health care needs of stigmatized, at risk and vulnerable populations informed by their disciplinary perspectives. Graduate standing in nursing or permission of Instructor.

NURS 476. Advanced Practice Seminar: Role of Psychiatric-Mental Health APRN. 1 Unit.

Students will explore the role of the Psychiatric Mental Health (PMH) Nurse Practitioner and Psychiatric Mental Health Clinical Nurse Specialist within the context of family and community. The course will focus on boundaries, professional development and the scope of practice within these roles. Students will examine ethical, legal, cultural and professional standards as they relate to micro and macro systems. (Admission to Family Systems Psychiatric Mental Health Nursing Program required.)

NURS 481. Family Systems Theoretical Foundations. 2 Units.

This course will focus on the major contemporary theoretical approaches and therapies for conceptualizing and working with families across the lifespan. Attention will be given to families challenged by situations such as stress, trauma, violence, psychiatric disorders, and substance use. Prereq: NURS 453 and NURS 473 and NURS 475 and NURS 476.

NURS 482. Family Systems Integration and Application. 1 Unit.

This practicum experience in the application of family theory will address the professional encounter between the advanced practice registered nurse (APRN) and the family system with attention to health promotion and psychiatric disorder management. Special consideration will be given to policy, legal, cultural, and ethical issues regarding family care and practice. Group supervision of the practicum experience is an expectation. (NOTE: Admission to the Family Systems Psychiatric Mental Health NP major is required.) Prereq: NURS 453 and NURS 473 and NURS 475 and NURS 476. Coreq: NURS 430 and NURS 474 and NURS 481.

NURS 484. Individual and Group Modalities for Family Systems Practice Across the Lifespan. 3 Units.

This seminar will address therapeutic modalities as applied to families across the lifespan. Brief, individual, and group modalities will be studied in the context of Family Systems Theory with a focus on differences in family constellations and developmental stages. The selection of modalities for families will consider the implications of cultural and gender differences, vulnerable populations, and the stigma of psychiatric illness. Prereq: NURS 430 and NURS 481 and NURS 482.

NURS 485. Practicum and Supervision: Family Systems Practice Across the Lifespan. 2 Units.

This practicum experience will involve the professional encounter between the individual, group members, and psychiatric nurse practitioner students within the context of family systems theory. Nursing strategies and concepts from psychiatry, behavioral and social sciences related to the promotion of mental health and biopsychosocial treatment in individual and group members across the life span will be explored. Attention will be given to situations such as stress, loneliness, trauma, violence, and substance abuse. Group supervision of the practicum experience is an expectation. Prereq: NURS 430 and NURS 481 and NURS 482. Coreq: NURS 484.

NURS 486. Modalities for Family Systems Practice: Vulnerable Family Populations. 3 Units.

Students will explore the special needs of families who are currently at risk for or manifesting mental health and substance use disorders within the context of family and community in urban and rural settings. Vulnerable families including those who have been exposed to acute and chronic stress disasters, military-related and other forms of trauma will be studied. The needs of youth and adults who are incarcerated will be addressed. Students will encounter the diverse nature of family relationships, including blended, migrant, and immigrant families; relationships that are defined by choice; and families residing on reservations and in religious enclaves. A variety of treatment modalities will be discussed. Prereq: NURS 482 and NURS 485.

NURS 488. Theoretical Basis of Practicum and Supervision in Consult, Collaborate, and Mental Health Education. 3 Units.

This course will focus on the professional encounter among the psych mental health advanced practice registered nurse (APRN) and patient, families and communities within the context of an environment of care. The nurse consultant e applies general systems and family systems theory to enhance the capacity of patients and families to learn, adapt and develop through mutual interaction and cybernetic processes. The roles of the psychiatric mental health APRN, educator, researcher, administrator and therapist are explored. The theories and processes of consultation, collaboration and adult education are discussed relative to mental health and community education. Prereq: NURS 484 and NURS 485. Coreq: NURS 489.

NURS 489. Practicum and Supervision in the Role of Family Systems Psychiatric Mental Health Advanced Practice. 3 Units.

This practicum course will emphasize the professional encounter between the psychiatric mental health (PMH) advanced practice registered nurse (APRN), families, organizations, communities and agency personnel providing mental health services. Systems variables that influence the learning, adaptation and development of families, organizations and systems will be emphasized. Billing and coding for the PMH APRN will be integrated into the course. The PMH APRN student functions as a change agent in direct and indirect care through the role of practitioner, educator, consultant, planner, evaluator and researcher. Prereq: NURS 484 and NURS 485. Coreq: NURS 488.

NURS 494. Global Health Seminar. 3 Units.

The focus of this course is the issues and trends in global health from both a nursing and a trans-disciplinary perspective. The course covers how international social, political, economic, environmental, and cultural issues affect health and health care. Particular emphasis is placed on nursing's contribution to global health issues and outcomes. Offered as: NURS 394 and NURS 494.

NURS 495. Global Health and Culture in Diverse Populations. 3 Units.

This elective course will use didactic and experiential learning, including travel abroad, to expose students to health care and population health in other countries. The focus of the course will be on issues and trends in global health from a trans-disciplinary perspective. International historical, social, economic, environmental, and cultural issues affecting health and health care will be examined. (Junior or graduate status required). Offered as NURS 395 and NURS 495.

NURS 502. Inquiry III Evidence-Based Practice. 2 Units.

This course will focus on linking research evidence to practice. Processes for appraisal and implementation of evidence-based practice will be included. Prereq: NURS 425 or Requisites Not Met permission.

NURS 503. Inquiry Practicum. 1 - 2 Units.

This course focuses on the development of competencies in scientific inquiry. Such competencies are achieved through participation in a research study or evidence-based project related to nursing science with dissemination of the experience. Prereq or Coreq: NURS 502.

NURS 504. Nursing Knowledge Development. 3 Units.

This course involves two critical issues for knowledge development for the discipline of nursing. First, epistemology is the study of knowledge shared among members of the discipline, the patterns of knowing and knowledge development, and criteria for evaluating knowledge claims and philosophy of science. The epistemological focus is aimed at enabling students to become knowledgeable about approaches to the study of disciplines and scientific knowledge development. Forces affecting the development of knowledge, the origins of key terms and concepts, and identification of major themes in nursing will be examined. Second, the nature of theory and strategies for theory development in nursing will be evaluated. The appraisal and discussion of theory will enable students to apply a variety of strategies and select an approach for beginning theory development that addresses phenomena in their area of interest.

NURS 506. Nursing Epistemology. 3 Units.

This course involves the study of knowledge shared among members of the discipline, the patterns of knowing and knowledge development, and criteria for evaluating knowledge claims and philosophy of science. The course is a search and discussion experience aimed at enabling graduate students to become knowledgeable about approaches to the study of disciplines and scientific knowledge development. Forces affecting the development of knowledge, the origins of key terms and concepts, and identification of major themes in nursing will be explored.

NURS 507. Clinical Knowledge. 3 Units.

This course is structured to allow students to develop clinical knowledge about their area of interest and to begin the process of identifying clinical research questions. Supervision for this experience will be twofold. Students will be placed with an expert clinician with a minimum of a master's degree (in nursing) to identify and arrange relevant clinical experiences. The student and the clinician will work with the course faculty to create opportunities for the student to experience the clinical phenomena of interest, which may include actual "hands-on" experience. Students will also meet regularly with the other students in the course and the course faculty for group supervision that focuses on linking clinical practice issues to research questions. Course requirements would include eight hours of practicum experiences per week.

NURS 508. Context of Care. 3 Units.

This course is designed to allow students to explore the social, political, economic, and health care issues that form the context for their clinical phenomena of interest. The intent of this course is for the student to become knowledgeable about the broader forces that affect their clinical problem. Topics might include current research in their field, as well as health policy related to their phenomena, political entities that affect funding, and the regulation of practice in their area of interest. The student will need a content expert to help them plan and coordinate their practicum experiences, which should be multiple and varied, and include exposure to both local and state level entities. Prereq: NURS 507 or equivalent.

NURS 510. Health Disparities. 3 Units.

This course aims to provide theoretical and application tools for students from many disciplinary backgrounds to conduct research and develop interventions to reduce health disparities. The course will be situated contextually within the historical record of the United States, reviewing social, political, economic, cultural, legal, and ethical theories related to disparities in general, with a central focus on health disparities. Several frameworks regarding health disparities will be used for investigating and discussing the empirical evidence on disparities among other subgroups (e.g., the poor, women, uninsured, disabled, and non-English speaking populations) will also be included and discussed. Students will be expected to develop a research proposal (observational, clinical, and/or intervention) rooted in their disciplinary background that will incorporate materials from the various perspectives presented throughout the course, with the objective of developing and reinforcing a more comprehensive approach to current practices within their fields. Offered as CRSP 510, PQHS 510, MPHP 510, NURS 510, and SASS 510.

NURS 511. Strategies for Theory Development. 3 Units.

This course examines the nature of theory and strategies for theory development in nursing. Students will explore a variety of strategies and select an approach for beginning theory development that addresses nursing phenomena in their area of interest. Prereq: Admission to PhD nursing program or requisites not met permission.

NURS 518. Qualitative Nursing Research. 3 Units.

This course examines research approaches directed towards the development of nursing knowledge. This course will include methods and issues in data collection, analysis, and critique of research findings. It will focus on the philosophical and epistemological foundations of qualitative research, present an overview of various methodological approaches, examine the criteria for rigor, and analyze ethical issues in qualitative methodologies. Prereq: Admission to PhD nursing program or requisites not met permission.

NURS 523. Advanced Practice Nursing in Critical Care Transport Practicum. 1 - 5 Units.

This practicum is designed to promote safe, effective care in critical care transport (CCT) by advanced practice (APN) nurses and APN nursing students. Experiential learning is individualized with a focus on the assessment and management of patients with life-threatening or time sensitive conditions. Precepted experiences address the knowledge, skills and attitudes for optimal CCT across the lifespan. Students will be required to have eligibility or certification in AGACNP or equivalent.

NURS 524. Molecular Genetics for the Nurse Scientist. 3 Units.

This Ph.D. course provides an in-depth forum for discussion of fundamental principles regarding molecular genetics and its relevance to medical genetics, genomics and nursing. The course will cover principles of molecular genetics including an overall discussion of the complexity of the human genome, the structure, function and regulations of genes (DNA, RNA, proteins), genetic variation, inheritance patterns and a brief overview of molecular laboratory techniques used in clinically based research. In addition the course will discuss genetic-based research approaches, and ethical challenges that accompany human genetics research. Admission to PhD nursing program required.

NURS 530. Advanced Nursing Research Methods I. 3 Units.

This course focuses on conceptualization of a research problem within a nursing perspective, systematic literature review of a substantive area of research, and the design component of a research study to address scientific gaps. Descriptive, quasi-experimental, experimental, and mixed methods designs will be examined. Threats to internal and external validity will be discussed. The emphasis is on the application of design strategies while encouraging flexibility in conceptualizing a study using different research methods. Coreq: NURS 532 or requisites not met permission.

NURS 531. Advanced Nursing Research Methods II. 3 Units.

This course focuses on sampling, measurement, instrumentation, data management, intervention development, and human subjects' issues. These will be discussed and applied within the context of a scientific study in a substantive area that is consistent with theoretical and empirical knowledge and the nursing perspective. Prereq: NURS 530 and NURS 532 or consent of instructor.

NURS 532. Applied Statistics. 3 Units.

This course will address the assumptions and applications necessary to analyze and interpret questions and research related to clinical practice. Emphasis will be on statistical interpretation of research and other scholarly activities. Data management, statistical analysis and data interpretation, as well as univariate and bivariate statistics will be examined. The course will include a brief overview of multivariate regression. The data analysis process will be examined and deconstructed throughout the course. Offered as NUND 450 and NURS 532. Prereq: Enrolled in the PhD Nursing program.

NURS 533. Introduction to Data Science in Healthcare. 3 Units.

This course introduces students to key concepts in data science with a focus on applications in healthcare delivery and clinical research. The course will discuss common sources of structured and unstructured clinical healthcare data, and the theory and application of different methodologies including machine learning and artificial intelligence. Students will be introduced to the tools and processes used to clean data, perform analysis, and visualize data through experiential learning. The integration of data science research into clinical practice at the population level (e.g. disease surveillance), system level (e.g. learning health systems) and patient-level (e.g. precision health) will also be discussed. Prereq: NURS 530 and NURS 532.

NURS 553. Cultural Diversity Topics. 1 Unit.

This course will explore topics around cultural diversity in advanced nursing practice. Concepts related to cultural sensitivity in delivery of healthcare will be integrated.

NURS 557. Advanced Midwifery. 6 Units.

In this intensive practicum course, students will assume the responsibilities of a beginning practitioner. Students will synthesize the midwifery management process while providing continuity of care and integrating all areas of core competency as defined by the American College of Nurse-Midwives (ACNM). Students will explore the professional aspects and history of midwifery practice. The ACNM hallmarks and components of midwifery care will be used as a framework for understanding current issues related to midwifery education and practice in the United States. Prereq: NURS 457.

NURS 559. Primary Care for Women's Health Providers. 4 Units.

In this course, students will assess and manage primary health care problems commonly encountered by diverse populations in ambulatory settings. This course will prepare the student to use diagnostic reasoning to identify and manage common acute and chronic health problems. Comprehensive care including physical, psychological, and cultural safety will be integrated throughout the clinical experience. Supervised clinical experience will focus on anticipating and identifying complications and participating in consultations, referrals, and collaborative management. Prereq: NURS 430 and NURS 455.

NURS 601. Special Problems. 1 - 12 Units.

This course is offered, with permission, to Ph.D. students in Nursing undertaking reading in a field of special interest.

NURS 609. Health Care Policy and Planning. 3 Units.

The primary focus of this course is to explore the leadership role of nurses in health policy development and implementation as well as the role of research in health care policy formation and planning. Special emphasis is placed on selected national and international health policy issues that form the socio-political and economic context of nursing care and practice. Ethical dimensions of public policy formulations and implementation are highlighted. Offered as NUND 508 and NURS 609.

NURS 615. Topical Seminar in Health Science Research. 3 Units.

This PhD course is designed to provide an in-depth knowledge of research issues in a given area. Opportunities are provided to apply knowledge for further development of the student's research interests and ideas. An in-depth examination of selected theoretical and methodological approaches to the development of research related to human science will be emphasized. Interrelationships among theory, research, and knowledge from nursing and related disciplines will be explored. Prereq: Admission to PhD nursing program or Requisites Not Met permission.

NURS 630. Advanced Statistics: Linear Models. 3 Units.

This course is focused on advanced procedures for data analysis and statistical inference in health research. The course is devoted to discussion and application of linear models, including simple and multiple regression and logistic regression to study design. The role of assumptions and theory in guiding the analysis plan is emphasized through lecture, readings, and critical evaluation of published research in the student's area of interest. Prereq: NURS 532 or Requisites Not Met permission.

NURS 631. Advanced Statistics: Multivariate Analysis. 3 Units.

This course focuses on selected advanced multivariate topics and procedures in health research. Topics will be covered through lecture, readings, computer analysis as well as critical analysis of published research in the health sciences fields. Topics to be covered in this course include: survival analysis, factor analysis, path analysis, repeated measures ANOVA and advanced regression techniques (logistic, loglinear, mixed models). Prereq: NURS 630 or Requisites Not Met permission.

NURS 632. Advanced Statistics: Structural Equation Modeling. 3 Units.

This course focuses on advanced data analytic procedures using structural equation modelings (SEM) in health research. Content will be explored through lecture, computer analysis, and critical analysis of relevant research. Topics covered in this course include: SEM with latent variables, path analysis adjusting for measurement error, nested models, and advanced SEM techniques, e.g., exploratory SEM, autoregressive models, latent growth curves, and latent class analysis using mixture modeling. Prereq: NURS 630 or Instructor Consent

NURS 671. Proposal Development. 1 - 6 Units.

Provides an opportunity for guided development of a candidacy proposal through planned contact with a designated committee of faculty members. The aim is to assist the student in the development of a refined proposal with strong scientific merit. The course should be utilized only by those with a candidacy proposal statement. Minimum 3 hours required for progression in program.

NURS 701. Dissertation Ph.D.. 1 - 12 Units.

(Credit as arranged.) Prereq: Predoctoral research consent or advanced to Ph.D. candidacy milestone.