

# NURSING (NURS)

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## **NURS 112. Discovering Wellness. 1 Unit.**

This course will focus on the exploration of health wellness practices for managing stress and promoting healthy lifestyles. Through a series of educational and skills building activities, this course will provide an evidence-based program that reduces stress, improves mental resiliency and builds protective factors that improve overall health and well-being. University resources, engagement opportunities, and strategies for success will be explored. Counts as a Full-Semester Wellness/Non-movement course. Coreq: NURS 115.

## **NURS 115. Foundations of Nursing Practice I. 3.75 Units.**

This course will 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. 3.25 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: Grade of C or better in BIOL 114 or a score of 4 or better on the Biology AP exam. Grade of C or better in BIOL 116 and NURS 115.

## **NURS 160. Health Care in the Community. 1.5 Unit.**

This course will integrate social disparities in healthcare outcomes with the delivery of culturally appropriate, community-based healthcare interventions. 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. 4.5 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: Grade of C or better in BIOL 117 and CHEM 119 and NURS 122. Coreq: NURS 211.

## **NURS 240. Nursing Care of the Adult II. 4.5 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: Grade of C or better in CHEM 121 and NURS 211 and NURS 230. Coreq: NURS 212.

## **NURS 250. Aging in Health and Illness. 1.5 Unit.**

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: Grade of C or better in BIOL 117 and CHEM 119 and 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. Counts as a Half-Semester Wellness/Non-movement 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. 3.75 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: Grade of C or better in NURS 240 and NURS 317 and NURS 342 and SOCI 203.

**NURS 316. Child Health Nursing. 3.75 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: Grade of C or better in NURS 212 and NURS 240 and NURS 317 and NURS 342 and SOCI 203. Coreq: NURS 315.

**NURS 317. Psychiatric-Mental Health Nursing. 3 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: Grade of C or better in NURS 160 and NURS 122.

**NURS 318. Nursing Care of the Adult III. 4.5 Units.**

This course will focus on the theory and application of complex nursing care of adults undergoing operative or invasive procedures and acutely ill patients presenting with co-morbid conditions who may be supported by medical devices and technologies. Communication skills, safety, advocacy, and clinical decision-making will be emphasized in the context of patient-centered nursing care delivery. Prereq: Grade of C or better in NURS 212 and NURS 240 and NURS 317 and NURS 342.

**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 a SAGES Departmental Seminar course. Prereq: STAT 201.

**NURS 326. Ethics of Pain Management in Vulnerable Populations. 3 Units.**

This course will explore the multidimensional qualities of the human experience of pain, including its moral dimensions. Vulnerable populations across the lifespan most subject to unethical pain care will be described (e.g., marginalized populations, those with substance use disorder, chronic pain, mental health comorbidities, cognitive disabilities, and others). Historic and current views of the moral obligation of healthcare providers to treat people with pain will be discussed. Select codes of ethics and pain management policies will be critiqued. Ethical theories will be reviewed for their utility in providing frameworks for determining how ethical, empathetic, effective, and safe pain care can be achieved in the most vulnerable populations. Offered as NURS 326, BETH 426 and NURS 426. Counts as a Moral & Ethical Reasoning course. Prereq: Junior or Senior student standing.

**NURS 330. Leadership and Process Change in the Community. 1.5 Unit.**

This course will expand on foundational public health nursing concepts to develop learner knowledge, leadership skills, and attitudes in providing culturally appropriate health care. By analyzing key components influencing health and wellness, learners will explore nursing's role as a community health advocate and leader in the promotion of health and health behaviors. Learners will apply team leadership and change theory concepts while participating in a public policy health promotion initiative. Prereq: Grade of C or better in NURS 210 and NURS 260.

**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. 2.5 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: Grade of C or better in NURS 315 and NURS 316 and NURS 318.

**NURS 342. Medical Microbiology, Immunity, and Infectious Disease. 3 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: Grade of C or better in 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 344A. 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.

**NURS 344B. 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.

**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. 1.5 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. 4 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 a Capstone Project course. Counts as a SAGES Senior Capstone course. Prereq: Grade of C or better in NURS 315 and NURS 316 and NURS 318. 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: Grade of C or better in NURS 315 and NURS 316 and NURS 318.

**NURS 381. Senior Seminar. 1 Unit.**

This course is designed for nursing majors preparing to transition from student to baccalaureate-prepared registered nurse. The course will focus on preparation for the NCLEX-RN examination through self-assessment and an understanding of the exam structure, remediation, and test-taking strategies. Prereq: Grade of C or better in NURS 373 and NURS 380.

**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 will provide 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. Prereq: Graduate student standing.

**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 the identification of neonatal deviations from normal and consultation and/or referral to appropriate health services as indicated during the first 28 days of life. 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 will emphasize scholarly inquiry, scientific integrity, and scientific investigation. It will include study of the research process, particularly design, sampling, data collection and analysis, and interpretation and reporting of findings. Prereq: NURS 405.

**NURS 426. Ethics of Pain Management in Vulnerable Populations. 3 Units.**

This course will explore the multidimensional qualities of the human experience of pain, including its moral dimensions. Vulnerable populations across the lifespan most subject to unethical pain care will be described (e.g., marginalized populations, those with substance use disorder, chronic pain, mental health comorbidities, cognitive disabilities, and others). Historic and current views of the moral obligation of healthcare providers to treat people with pain will be discussed. Select codes of ethics and pain management policies will be critiqued. Ethical theories will be reviewed for their utility in providing frameworks for determining how ethical, empathetic, effective, and safe pain care can be achieved in the most vulnerable populations. Offered as NURS 326, BETH 426 and NURS 426. Counts as a Moral & Ethical Reasoning course. Prereq: Graduate student standing.

**NURS 430. Advanced Pharmacology. 3 Units.**

This course will focus on the application of advanced pharmacology and pharmacotherapeutics for common conditions across the lifespan. Essential content includes principles of pharmacokinetics, pharmacodynamics, pharmacogenomics and therapeutics. Clinical decisions congruent with effective prescribing are emphasized, including integrating the ethical, legal, cost-benefits, and social determinants of health for pharmacological and related therapeutic interventions. This course is designed to build on diagnostic reasoning and prior pharmacology study of the 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 will be applied.

**NURS 432. Organizations and Systems in the Management of Health and Illness Across the Care Continuum. 3 Units.**

This course will prepare nurse leaders to participate and lead health care teams focused on organization-based management of health, disease and abnormal function, and the reduction of susceptibility to or complications of illness. Program development, risk aversion, risk management, infection control, sentinel events and National Patient Safety Goals will be addressed.

**NURS 433. Management of Clinical Operations for Nurse Leaders. 3 Units.**

This course will provide nurse leaders and emerging leaders with a comprehensive overview of managerial, financial and human resource principles including management styles and theory, budgeting, budget management, staffing, scheduling, and performance appraisal.

**NURS 434. Population Health Management Across the Continuum of Care for Nurse Leaders. 3 Units.**

This course will prepare nurse leaders to participate and lead interprofessional health care teams focused on systems-based identification and assessment of population health, disease management and care coordination across the continuum of care. This course will include strategic program planning, data analytics, data management, and outcomes evaluation.

**NURS 435. Leading Innovation, Change and Intrapreneurship. 1 Unit.**

This course will provide nurse leaders with the knowledge to lead innovation and develop intrapreneurial management skills.

**NURS 436. Practicum I for Nurse Leaders. 2 Units.**

Under the direction of a qualified preceptor in the leadership practice environment the learner will apply the knowledge, skills, and abilities used by nurse leaders. Learners will effectively communicate, utilize relationship skills, and apply business practices.

**NURS 437. Practicum II for Nurse Leaders. 2 Units.**

In this course the learner will apply the skills, knowledge, and abilities that demonstrate knowledge of the health care environment, provide leadership for nursing practice and systems, and validate personal professionalism in behavior and activities under the direction of a qualified nurse leader. Prereq: NURS 436.

**NURS 438. Evidence-Based Practice Leadership Practicum. 1 Unit.**

This course will focus on the development and demonstration of competencies in evidence-based practice. Under the direction of a qualified nurse leader, the learner will identify and develop a proposal for a system-based evidence-based intervention that impacts clinical outcomes. Prereq: NURS 437. Coreq: NURS 502.

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

This course will focus on ethical decision-making for advanced nursing practice. The interaction between the health care delivery system and ethical decision making will be 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 will be emphasized.

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

This course will focus on the study of the financial and business factors related to health care delivery, patient outcomes, 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, diversity, current and emerging information technologies, and communication patterns influencing outcomes of care will be explored.

**NURS 453. Advanced Pathophysiology. 4 Units.**

This course will focus 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 will be examined. Prereq: Enrollment in MSN, DNP, or PhD 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. Prereq: 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. 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 Physical Assessment. 3 Units.**

This course will focus on advanced assessment of individuals across the lifespan. This course incorporates communication skills, interpretation of data, and diagnostic reasoning. Recommended Preparation: RN Licensure and practice. Prereq: Currently enrolled in MSN, DNP, or PhD 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.

**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 psychiatric 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 and other evidence to practice. Processes for appraisal and implementation of evidence-based practice will be included. Prereq: NURS 425.

**NURS 503. Inquiry Practicum. 1 Unit.**

This course will focus 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. Specific distribution and timing of hours will be arranged with the researcher supervising your practicum. 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 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 Research in Healthcare. 3 Units.**

This course will examine qualitative 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: Enrolled in the PhD in Nursing program.

**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. 3 Units.**

This course will explore the leadership role of nurses in health policy planning, implementation and evaluation as well as the role of research in health care policy formation. Special emphasis will be 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 will be highlighted. Offered as NUND 508 and NURS 609.

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

This graduate course is designed to provide in-depth knowledge of a contemporary research issue relevant to health science research. 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, policy and practice, 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.