NURS 115. Fundamentals of Nursing. 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 the Practice II. 3 Units.
This course builds on the concepts essential to the foundations of nursing practice presented in previous nursing courses. It is designed to focus on strategies, skills, and techniques to obtain a comprehensive individual health history, family health history, and physical examination. Therapeutic interventions based on assessment and scientific knowledge will be performed. Prereq: BIOL 114, BIOL 116, and NURS 115, all with grades of C or better

NURS 160. Health Care in the Community. 1 Unit.
This course is a seminar focused on the delivery of culturally appropriate, community-based health care and on selected issues contributing to the growing disparities in health care outcomes. Students will engage in a field experience in a Cleveland community health facility or school system. The seminar will include sessions devoted to reflection and evaluation of the field experience related to issues contributing to disparities in health care and content related to public health nursing.

NURS 201. Applied Nutrition in Health and Disease. 2 Units.
This course builds upon the student's knowledge of human physiology and metabolism. Nutrient requirements are highlighted as well as changes related to different stages in the lifespan. Contemporary nutritional issues will be addressed. Prereq: BIOL 114 and BIOL 116.

NURS 210. Teaching/Learning in the Community. 1 Unit.
This course expands on foundational public health nursing concepts to develop student knowledge, skills, and attitudes in providing culturally competent health care to diverse populations using the service learning model. This course explores the relationships between, learning needs, health literacy, teaching/learning interventions and evaluation of learning. Utilizing a balance between knowledge-centered and skill-centered approaches to delivering culturally competent care, students will engage in both traditional classroom and transcultural experiential learning encounters. Prereq: NURS 160.

NURS 211. Introduction to Pharmacology 1. 1.5 Unit.
This course is the first of two courses introducing the basic principles of pharmacology and pharmacotherapeutics, including review of characteristics and use of major drug classifications with emphasis on nursing implications. The pharmacological content presented in this course will be coordinated with Nursing Care of the Adult 1 with emphasis placed on patients experiencing co-morbid conditions. Prereq: BIOL 117, CHEM 119, NURS 212. Coreq: NURS 230 and NURS 250.

NURS 212. Introduction to Pharmacology 2. 1.5 Unit.
This course is the second of two courses introducing the basic principles of pharmacology and pharmacotherapeutics, including review of characteristics and use of major drug classifications with 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, NURS 230 and NURS 250. Coreq: NURS 240 and NURS 317.

NURS 230. Nursing Care of the Adult 1. 5 Units.
This is the first of two courses focusing on the application of the nursing process to adults and older adults experiencing common acute and chronic health alterations. Special emphasis is placed on patient assessment, diagnostic testing, beginning medication teaching and administration, and other nursing interventions as they relate to caring for adults and older adults with alterations in fluid/electrolyte and acid/base balance, and respiratory, cardiac, genitourinary, and endocrine (diabetes) functioning. Care of the patient in the perioperative setting and care of the patient with cancer are also emphasized. Prereq: BIOL 117, CHEM 119, NURS 122. Coreq: NURS 211, NURS 250.

NURS 240. Nursing Care of the Adult 2. 4.75 Units.
This course builds upon the knowledge and skills mastered in NURS 230. Course content and learning opportunities provide students with the information necessary to collaborate with other members of the health care team in providing comprehensive care to adults and older adults. Students are expected to collaborate with members of the health care team to plan and implement interventions and to evaluate patient responses to selected interventions. Special emphasis is placed on patients experiencing co-morbid conditions which include alterations in immunologic, hematologic, gastrointestinal, musculoskeletal, and neurologic functioning. 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 expands on foundational public health nursing concepts to develop student knowledge, skills, and attitudes in providing culturally competent health care to diverse populations using the service learning model. Utilizing a balance between knowledge centered and skill centered approaches students will apply concepts of team work and collaboration to experiential learning outcomes. Prereq: NURS 160.

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 public health course is designed to develop student knowledge, skills and attitudes in providing culturally competent health care to diverse populations, using the service learning model. Students will explore nursing's role as a community health advocate in the promotion of health and the elimination of health disparities. Utilizing a balance between knowledge-centered and skill centered approaches to delivering culturally competent care, students will apply leadership concepts in both traditional classroom and transcultural experiential learning encounters. Prereq: NURS 210 and NURS 260.
NURS 315. Parents and Neonates in Health and Illness. 4.5 Units.
This course focuses on the study of child bearing families and their
health-seeking behaviors from a developmental perspective. Content
includes nursing knowledge and skills related to assessment of
health status of parents and neonates. Nursing strategies focusing on
interventions to promote, restore, and maintain health are discussed.
Prereq: NURS 212, NURS 240, NURS 317, NURS 342, and SOCI 203.

NURS 316. Infants, Children, and Adolescents in Health and Illness. 4.5
Units.
The study of infants, children, and adolescents, and the health-seeking
behaviors from a developmental perspective. Emphasis is on healthy
infants, children, and adolescents as well as infants, children, and
adolescents with common, acute, and chronic illness within the context
of their family environment. Nursing strategies focus on interventions
to promote, restore, and maintain health and foster growth and
development. Prereq: NURS 212, NURS 240, NURS 317, NURS 342, and
SOCI 203. Coreq: NURS 315.

NURS 317. Psychiatric-Mental Health Nursing. 3.75 Units.
The course is designed to address health-seeking behavior patterns
within the context of psychiatric and mental health nursing concepts.
The focus is on clients with psychiatric disorders and their mental health.
Nursing strategies that are appropriate for assessment and intervention
with individuals, families, and groups to facilitate optimal mental health
will be discussed and practiced. Prereq: NURS 211 and NURS 230. Coreq:
NURS 212.

NURS 320. Theoretical and Evidence Bases for Best Practice in Nursing.
3 Units.
This course explores the theoretical and evidence bases for best
practices in nursing. The course begins with an overview of the
theoretical and philosophical underpinnings of nursing practice and
nursing science. The course includes an intensive focus on the concept
of evidence based practice and the process of evaluation supporting
practice. Additionally, the course introduces evaluation models used
to determine the effectiveness and quality of existing practice and to
recommend improvements. Counts as SAGES Departmental Seminar.
Prereq: STAT 201 or STAT 201R.

NURS 338. Care of the Adult and Older Adult with Complex Health
Alterations. 4.5 Units.
The purpose of this course is to provide the student with the knowledge
and skills to care for one or more complex, acutely ill adult patients,
who present with co-morbid conditions and may be dependent on
technologies. This complexity encompasses the physical, psychological,
social, spiritual, and ethical domains of care and includes both 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.
The purpose of this course is to provide the student with a dynamic
learning experience in a perioperative environment to enhance the
knowledge, cognitive and psychomotor skills to care for one or more
patients undergoing operative or invasive procedures. The Perioperative
Patient-Focused Model (AORN, 2008) will provide the framework for
this course. This Model addresses patient centered care, patient safety,
physiologic responses, and behavioral responses of the patient and
family. In addition, content will cover issues of quality and safety,
informatics, and identification of evidence based practice within the
perioperative context. The clinical setting is interdisciplinary and
multidisciplinary with other members of the perioperative team. As
a member of this team, the student will develop strategies to inspire
team work and collaboration with emphasis on communication, patient
advocacy and leadership skills. Prereq: NURS 212, NURS 240, NURS 317
and NURS 342. Coreq: NURS 338.

NURS 341. Concepts of Management and Leadership. 3 Units.
This course focuses on the study of basic concepts related to leadership
and management in the provision of nursing care. Highlighted units of
instruction include organizational culture and structure, leading high
performing teams, human and capital resource management, delegation
and outcome evaluation. The management functions of planning,
organizing, directing and evaluating are explored. Prereq: NURS 315,
NURS 316, NURS 338, NURS 339.

NURS 342. Medical Microbiology, Immunity, and Infectious Disease. 4
Units.
Introduction to viral, bacterial, rickettsial, fungal and parasitic organisms
pathogenic to humans, known to be the etiological agents of infectious
diseases. Review of the course, manifestations, pathogenesis,
epidemiology and therapies of selected diseases associated with the
infectious disease intervening variable. Prereq: BIOL 117 and CHEM 121.

NURS 343. Issues and Ethics in Health Care. 2 Units.
This course is designed to introduce the student to the principles
underlying ethical issues and methods of rational decision making.
Fundamental theories will be reviewed and opportunity provided, using
case analysis, to apply the theories in addressing ethical dilemmas
common to modern health care. Prereq: NURS 315, NURS 316, NURS 338,
and NURS 339.

NURS 352. Acute Care 3. 8 Units.
This course focuses on the knowledge and skills necessary to provide
nursing care for patients with complex problems. Emphasis is on nursing
strategies designed to provide comprehensive care to patients and their
families affected by acute illness. Clinical practice is directed toward the

NURS 354. Nursing Care of Critically Ill Adults. 8 Units.
This course focuses on the integration of knowledge and skills to provide
effective and efficient nursing care to critically ill adults. Emphasis is on nursing
strategies directed towards the care of the critically ill patient with a focus on use of biomedical technology, planning and managing
patient care, and beginning care of patients with complex care needs.
Prereq: NURS 338 and NURS 339.

NURS 356. Nursing Care of Critically Ill Neonates, Infants, and Children. 8
Units.
This course focuses on the knowledge and skills necessary for beginning
practice in the nursing care of critically ill neonates, infants and children.
Emphasis is on nursing strategies directed toward the application of
basic principles of critical care nursing with attention to special needs
of critically ill neonates, infants and children and their families. Prereq:
NURS 338 and NURS 339.
NURS 360. Process Change in the Community. 1 Unit.
This public health nursing course is designed to develop student knowledge, skills, and attitudes in providing culturally competent health care to diverse populations, using the service learning model, by analyzing key community components that influence health and wellness. Students will explore nursing’s role as a community health advocate in the promotion of health and the elimination of health disparities. Utilizing a balance between knowledge-centered and skill-centered approaches to delivering culturally competent care, students will engage in both traditional classroom and transcultural experiential learning encounters. Prereq: NURS 210 and NURS 260.

NURS 370. Information Technologies in Health. 1 Unit.
The focus of this course is the application of advanced information technologies in the health care of communities and populations. Building on a base of pre-requisite informatics course knowledge and student clinical experiences, the course will explore contemporary issues in informatics and the ways in which a nurse can manage the information to support the delivery of care to clients, communities, and populations.

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 focuses on an analysis of the forces shaping community and global health patterns. Drawing on multidisciplinary sources, this course explores the impact of these global processes as they manifest in the health of our own and other societies. Emphasis is placed on analysis of the broad cultural, environmental, social-economic, and political systems that contribute to health status and outcomes, health policies, and health care delivery around the world. Prereq: NURS 310 and NURS 360.

NURS 373. Global Health Practicum. 5 Units.
The purpose of this practicum is to provide students with the opportunity to analyze the concepts of health and health care, health policy and finance, culture and ethics through a preceptored, community-based immersion experience in local, national or international settings. Students will apply epidemiological techniques, the skills of negotiation, partnership building, community assessment and nursing science in the identification and analysis of a health problem 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 reasoning 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 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 focuses 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 covers issues related to evidence-based practice, teamwork, systems science, change management, and data analytics. Students will apply the concepts to practice through an implementation/quality improvement project.
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. Gestational age assessment and physical assessment skills will be developed. The course will provide the basis for problem identification, decision making, and case management. 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 pharmaceutical 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)

NURS 454. Well Woman Health Care. 3 Units.
In this course, students will learn to assess and manage common gynecologic and family planning issues encountered by a diverse population of women in ambulatory settings. Culturally appropriate interventions will be integrated throughout. Supervised clinical experiences will focus on achieving the foundation for beginning practice. This will include anticipating and identifying complications and participating in consultations, referrals and collaborative management. The application and synthesis of these principles, theories and concepts will be emphasized in clinical practicum. Prereq or Coreq: NURS 453 and NURS 459.

NURS 455. The Childbearing Family. 4 Units.
The focus of this course will be the application of theory, practice and research by advanced practice nurses in the promotion of health and wellness of childbearing women using a family-centered approach. Emphasis will be on normal aspects of pregnancy, focusing on prevention of problems and promotion of health behaviors, as well as identification and management of deviations from normal. Supervised clinical experiences will include understanding normal pregnancy, anticipating and identifying complications, participating in consultations, referrals and collaborative management. Prereq: NURS 454. Coreq: NURS 430.
NURS 457. Labor and Birth. 5 Units.
The art, theory, and the science for nurse-midwifery practice is expanded through research, critical analysis of disseminated research, quality assurance, and other scholarly activities. The focus of this course will be the application of theory, practice and research by advanced practice nurses in the promotion of health and wellness of women, newborns and their families during intrapartum and the immediate postpartum period. Emphasis will be placed on the health-seeking behaviors of the mother and her family using a holistic approach which respects cultural, ethnic, and racial diversity in the provision and evaluation of care. Supervised clinical experiences will focus on achieving the foundation for competent practice as a beginning practitioner. This will include anticipating and identifying complications 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 under resourced 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 MPH 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, MPH 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 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. System 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, MPH 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 provides an advanced overview of the assumptions and applications necessary to analyze and interpret questions and research related to clinical practice. Emphasis will be on statistical interpretation of research. During the course, data management, statistical analysis, and data interpretation, as well as univariate, bivariate, and multivariate statistics such as ANOVA and ANCOVA will be examined. The data analysis process will be examined and deconstructed throughout the course. Offered as NUND 450 and NURS 532. Prereq: Admission to PhD nursing program or requisites not met permission.

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 consultation with faculty, students select a nurse-midwifery service where they will assume the responsibilities of beginning practitioner for a minimum of 10 weeks of intensive supervised clinical practice. Students will synthesize the nurse-midwifery management process while providing continuity of care and integrating all core competency areas. Students will explore the professional aspects of nurse-midwifery practice. Historical development of the profession will be emphasized as a framework for understanding current issues related to nurse-midwifery education and practice in the United States. Prereq: NURS 457.

NURS 559. Primary Care in Women's Health. 4 Units.
In this course, students will gain knowledge needed to assess and manage primary health care problems commonly encountered by diverse populations of women in ambulatory settings. This course will prepare the student to use the problem-solving approach to assist individuals with common acute and chronic health problems. Culturally appropriate health promotion and disease prevention will be integrated throughout. The synthesis and application of these principles, theories and concepts will be emphasized in clinical practicum. Prereq: NURS 454 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 - 9 Units.
(Credit as arranged.) Prereq: Predoctoral research consent or advanced to Ph.D. candidacy milestone.