

# Nursing

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FACULTY: Adams, Anderson, Bartz, Buettner, El-Masri, Evanson, Foland, Hanson, Harsell, Heintz, Hendrickx, Higgerson, Jahns, Johnson, Kaiser, Lindseth, Proebstle, Ralph, Rittenbach, Roberts, Roux, Rust, Semmens, Shanta, Shogren, Sikkema, Sperle, Wolf, Wright, Zwilling

## Degrees Granted: Master of Science (M.S.), Doctor of Philosophy (Ph.D.), and Doctor of Nursing Practice (DNP)

The College of Nursing and Professional Disciplines offers graduate programs leading to a Master of Science (M.S.) degree with a major in nursing, a Ph.D. in nursing or a Doctor of Nursing Practice. Information on any newly approved programs of study will be available on the College of Nursing and Professional Disciplines website at: [www.nursing.und.edu/](http://www.nursing.und.edu/).

The Master of Science degree with a major in nursing is targeted to prepare advanced practice nurses in areas of clinical specialization, nurse educators, and to expand the scientific knowledge for nursing practice through research. The graduate program is accredited by the Commission on Collegiate Nursing Education (CCNE). The course of study for Nurse Anesthesia is accredited by the Council on Accreditation (COA) of Nurse Anesthesia Education Programs.

The Master of Science program currently offers six areas of specialization:

1. Family Nurse Practitioner
2. Adult Gerontological Primary Care Nurse Practitioner
3. Psychiatric Mental Health Nurse Practitioner
4. Nurse Anesthesia
5. Nurse Educator

**Details pertaining to admission requirements, degree requirements and courses offered can be found in the Degrees section. However, nursing degree content and nursing admission requirements are subject to change. Please see our nursing website at the following link for the most current information. <http://nursing.und.edu/departments/nursing/graduate.cfm>**

## Master of Science (M.S.)

### Admission Requirements

The applicant must meet the School of Graduate Studies' current minimum general admission requirements as published in the graduate catalog. Admission requirements for the Master of Science degree with a major in Nursing include:

1. At the time of application, a baccalaureate degree in nursing from an NLNAC or CCNE accredited program. (Foreign schools will be evaluated on an individual basis.)
2. A minimum GPA of 3.00 for the last two years of baccalaureate nursing study.
3. An undergraduate or graduate course in statistics.
4. Current unencumbered U.S. R.N. licensure.
5. One year of experience as a registered nurse (preferred).
6. Meet current health and immunization requirements of the College of Nursing and Professional Disciplines.
7. Submit to and satisfactorily complete a background check and drug test prior to admission.
8. Satisfy the School of Graduate Studies' English Language Proficiency requirements as published in the graduate catalog.
9. Applications must be received by track specific date (please see track website for additional information).
10. Current resume or CV.
11. Statement of Goals.

12. Three letters of recommendation (form) or reference letters.
13. Official transcripts from every educational institution attended or currently attending (even if those grades are shown on another transcript).
14. Additional requirements for Nurse Anesthesia are a minimum GPA of at least a 3.00 in all years of study at the undergraduate nursing level, and a minimum GPA of 3.00 in undergraduate science coursework, an upper division course in biochemistry (or equivalent), an undergraduate college algebra course (equivalent or higher), one year of full-time critical care nursing experience (two years are preferred), and a successful interview.

## Non-degree seeking students

Upon approval, up to 9 non-degree credits may be applied to a graduate nursing track if admitted. Contact Nursing Office of Student Services for additional information at 701-777-4174.

## Doctor of Nursing Practice (DNP)

### Admission Requirements

The applicant must meet the Graduate School's current minimum general admission requirements as published in the Graduate Catalog. Admission requirements for the Doctor of Nursing Practice include:

1. Completion of a Master's degree or higher from a nursing program of study accredited by the Commission of Collegiate Nursing Education (CCNE) or the National League of Nursing Accrediting Commission (NLNAC).
2. Current licensure unencumbered and in good standing as a Registered Nurse with certification as a Nurse Practitioner, Clinical Nurse Specialist, Nurse Anesthetist or Nurse Midwife.
3. A minimum Grade Point Average of 3.0. Priority will be given to those applicants with a cumulative GPA of 3.5 or greater in graduate coursework.
4. Graduate level statistics course completed within the five years prior to admission.
5. A two page narrative stating the applicant's professional goals for DNP education and describing how the DNP will contribute to those goals. The narrative should propose a clinical interest or practice problem topic for the applicant's scholarly DNP project, with a scope that would yield a result such as a system-wide change at the organizational, regional, or national level; a new/revised state health policy; or the implementation of significant new services to a population or geographic region. This narrative will provide insight to the admissions committee on the applicant's professional goals and expectations, determine whether the applicant's topic corresponds to existing faculty expertise, and assess written communication skills.
6. Three letters of recommendation, one of which must be from a graduate-prepared nurse or faculty member. Letters should speak to applicant's ability to be successful in the DNP, addressing items such as clinical skills, critical thinking, independent decision making, and collaborative skills with other health professionals, nursing leadership, etc.
7. Resume or curriculum vitae.
8. Satisfy the School of Graduate Studies' English Language Proficiency requirements as published in the graduate catalog.
9. Interview may be required.
10. Background check from the CNPD approved vendor with satisfactory results prior to admission.

## Degree Requirements

Students seeking the Doctor of Nursing Practice degree at the University of North Dakota must satisfy all general requirements set forth by the Graduate School as well as particular requirements set forth by the Nursing Department. The DNP nursing courses are offered online.

1. Completion of all course work with GPA of at least 3.0.
2. Satisfactory completion of at least 500 hours of advanced practice internship hours.
3. Satisfactory completion of an evidence based clinical project that informs practice.
4. Presentation of the evidence based practice project in a regional, national or international advance practice forum or conference.
5. Submission of final report of project for publication.

6. Satisfactory performance on an oral defense and written final examination.
7. Required Courses:

NURS 503	The Business of Practice	2
NURS 512	DNP Core Concepts I	2
NURS 513	DNP Core Concepts II	2
NURS 519	Practice Leadership	2
NURS 522		3
NURS 582		2
NURS 593	DNP Internship I	4
NURS 594	DNP Internship II	4
NURS 595	DNP Internship III	4
NURS 596		2
NURS 598		3
NURS 599		3

## Intensives

Students are required to attend an on-campus intensive experience one weekend per semester for purposes of professional mentoring, learning, networking, and enhancing skill development.

## Doctor of Philosophy (Ph.D.)

### Admission Requirements

The applicant must meet the School of Graduate Studies' current minimum general admission requirements as published in the graduate catalog.

1. Completion of a bachelor's or higher degree in nursing from a nationally accredited program or equivalent nursing preparation.
2. A cumulative Grade Point Average (GPA) of at least 3.0 for all undergraduate Nursing work and a GPA of at least 3.0 for the junior and senior years of undergraduate Nursing work (based on A=4.0).
3. A cumulative GPA of 3.5 or above in graduate Nursing coursework.
4. Graduate Record Examination or Miller's Analogy Test scores within past five years.
5. Completion of a graduate level univariate statistics course.
6. Completion of a master's level Nursing Theory course.
7. A one or two page paper stating the applicant's research interests and professional goals.
8. Evidence of current, unencumbered U.S. licensure to practice as a registered nurse.
9. Three professional letters of recommendation.
10. Resumé or CV.
11. Satisfy the Graduate School's English Language Proficiency requirements as published in the graduate catalog.
12. An interview will be required for applicants meeting these basic admission requirements.
13. Submit to and satisfactorily complete a background check prior to admission.
14. Applications must be received by program specific date (please see program website for additional information).

Note: Applicants with earned master's degrees from accredited schools may qualify for up to 30 hours of credit toward the doctoral degree. Credit will be awarded only for courses in which a grade of B or better has been achieved.

### Degree Requirements

Students seeking the Doctor of Philosophy degree at the University of North Dakota must satisfy all general requirements set forth by the School of Graduate Studies as well as particular requirements set forth by the Nursing Department. The PhD nursing courses are offered online with synchronous and asynchronous delivery.

Ph.D. students will be required to develop and submit a nationally competitive grant to support their doctoral research.

Ph.D. students are required to submit an article for publication to a refereed journal and to present dissertation work to a regional or national audience.

Ph.D. students are required to participate in scholarly seminars on research, research ethics and writing for publication.

1. Students must complete a minimum of 90 semester credits of post-baccalaureate work, including an original dissertation.

2. Required Courses:

Research (12-18 credit hours)

NURS 573	Research Funding	3
NURS 574	Quantitative Nursing Methods	3
NURS 575	Qualitative Nursing Research	3
NURS 580	Research Practicum	1-6

Nursing Science (12-18 credit hours)

Pre-requisite Maters level Nursing Theory course

NURS 557	Foundations of Nursing Science	3
NURS 565	Rural Populations and Rural Health	3
NURS 577	Rural Healthcare Ethics	3
NURS 586	Rural Health Programs and Research	3

Scholarly Tools (9-12 credit hours)

Pre-requisite Univariate Statistics

NURS 514	Essentials in Epidemiology	3
NURS 522		3
NURS 525	Applied Multivariate Statistics	3

Functional Component (9-12 credit hours)

NURS 509	Foundations for Nurse Education	3
NURS 558	Research Design	3
NURS 581	The Nurse Scientist	3

Electives (12-30 credit hours)

Courses will be selected by the student in consultation with the student's faculty advisory committee to develop the particular research thrust of the student.

Dissertation (18 credit hours), including

NURS 579	Dissertation Seminar (three 1-credit hour courses)	1
NURS 999	Dissertation (15 credit hours total required)	1-15
<b>Total Credits</b>		<b>90</b>

3. Comprehensive Examination: Students must successfully complete a written and oral comprehensive examination prior to advancement to candidacy and approval of the dissertation proposal. The student's Program of Study Form, Dissertation Committee Form, and all course work (excluding dissertation credits) must be completed before applying to the School of Graduate Studies to take the Comprehensive Examination.

4. Final Examination: A final examination will be scheduled and administered according to the rules of the graduate school.

5. All doctoral nursing courses taken at the University of North Dakota College of Nursing and Professional Disciplines must be completed with a grade of "B" or better. An individual course may not be taken more than twice.

6. Various nursing courses are offered by semester - not all courses are offered every semester.

### Residency

There is no residency requirement; however, students are required to attend two "Intensive experiences" per year. The Intensive experience (3-5 days) will gather students and faculty on the UND campus or at a regional nursing research conference for purposes of scholarship, networking, and education.

### Transfer Credits

A maximum of 30 semester credits may be transferred from a master's program. All nursing courses that are transferred and become part of the student's doctoral program of study must be achieved with a grade of "B" or better.

A maximum of 24 semester credits may be transferred for postmaster's coursework.

## Courses

### **NURS 500. Theories/Concepts Nursing. 3 Credits.**

The focus of this core course is on analysis of current nursing and related theories and concepts which guide clinical practice, curriculum development, research, and nursing administration.

### **NURS 502. Evidence for Practice. 3 Credits.**

This course emphasizes the application of basic research concepts to the building of evidence-based practice in nursing. Advanced competencies are developed in searching and evaluating the literature, examining the merit of different types and levels of evidence, and analyzing the generalizability and implications for clinical practice. Prerequisites or Corequisites: Admission to one of the Graduate Nursing Tracks, NURS 500 and statistics and/or permission of instructor. F,S.

### **NURS 503. The Business of Practice. 2 Credits.**

This course focuses on the business aspects of Inter-professional advanced practice in the complex health care environment. Prerequisite: Admission to the DNP Program.

### **NURS 504. Advanced Pharmacology I. 3 Credits.**

Pharmacodynamic and pharmacokinetic principles with a focus on clinical anesthesia practice. Physiologic systems and drug classifications are used; emphasis on therapeutic use, side effects, drug interactions, and contraindications of drugs used for intravenous anesthesia induction, inhalation, and balanced anesthesia maintenance. Pediatric and geriatric variations will be addressed. Prerequisite: Admission to Nurse Anesthesia Specialization.

### **NURS 506. Advanced Pharmacology II. 3 Credits.**

Advanced pharmacology for clinical nurse anesthesia practice. Prerequisite: NURS 504.

### **NURS 507. Anesthesia Seminar and Clinical Practicum. 4 Credits.**

This course is designed to provide nurse anesthesia students an overview of the basic principles and skills needed to care for the routine surgical patient. Topics include difficult airway management, patient monitoring, patient preparation, positioning, patient safety, fluid and electrolyte management, documentation of anesthesia care, and an introduction to regional anesthesia. Analysis, integration, and utilization of research to improve practice is emphasized. The lecture content is reinforced through Clinical Simulation and laboratory experiences, allowing for immediate application of the lecture content and integration into the clinical setting. Students are introduced to the clinical setting through observational and hands-on experiences. Includes a clinical and/or laboratory component. Prerequisite: NURS 521.

### **NURS 508. Nurse Anesthesia Review Course. 1 Credit.**

This course is faculty guided and designed to assist students with their review of nurse anesthesia course and clinical material in preparation for the CCNA certification examination. Prerequisite: Completion of all Nurse Anesthesia Specialization coursework.

### **NURS 509. Foundations for Nurse Education. 3 Credits.**

This course begins to compare and contrast multiple roles and responsibilities of nurse educators in various settings in academic and health service. It will build the conceptual foundation for educational processes with emphasis on ethics, learning theories, taxonomies of learning and current evidence necessary for development of competencies necessary for the practice of educating. Students will begin to formulate their individual philosophy of teaching and learning. Prerequisite: Admission to the Nursing Graduate Program or consent of the instructor. Prerequisite or Corequisite: NURS 500. S.

### **NURS 510. Adv Physiology/Pathophysiology I. 3 Credits.**

Normal physiologic functions associated with cellular structure and environment. Physiologic and pathophysiological functions of the human body and its organ systems, both separately and integrated in whole activities. Prerequisite: Admissions to graduate study.

### **NURS 511. Adv Physiology/Pathophys II. 3 Credits.**

Physiologic and pathophysiological functions of the human body and its organ systems, both separately and integrated in whole activities. Prerequisite: NURS 510 or consent of instructor.

### **NURS 512. DNP Core Concepts I. 2 Credits.**

This course is an exploration of the core concepts that support the developing role of the DNP as a practice focused leader and researcher. Prerequisite: Admission to the DNP Program.

### **NURS 513. DNP Core Concepts II. 2 Credits.**

This course focuses on the concepts that support the development of the role of the DNP practice leader in the care of rural and vulnerable populations and issues related to planning and providing care for vulnerable and underserved populations. The primary content focus areas are epidemiology and vulnerability related to population and individual health. Prerequisites: Admission to the DNP Program and NURS 512. S.

### **NURS 514. Essentials in Epidemiology. 3 Credits.**

This course will emphasize the application of the principles of epidemiology as applied to the investigation and prevention of individual and population health problems. Students will evaluate care delivery models and analyze epidemiological data to develop and apply strategies for health promotion and disease prevention for individuals, aggregates, and populations. The core competencies will focus not only on the practice of public health, but also enhance practice for the clinician. Prerequisite: Admission to the Graduate School, MPH Program, or permission of the the instructor. F,S.

### **NURS 517. Anesthesia Seminar and Clinical Practicum II. 5 Credits.**

This course builds on the foundations learned in the prerequisite course. Advanced anesthesia principles are applied to various patient populations including the surgical patient with cardiovascular and respiratory diseases. Anesthesia care of other surgical populations including the trauma, orthopedic, urological, vascular, intra-abdominal and ENT patient will be explored. Important concepts include anatomical, physiological and pathophysiological, and pharmacological principles. Analysis, integration, and utilization of research to improve practice is emphasized. The lecture content is reinforced through simulated laboratory experiences, allowing for immediate application of the lecture content and integration into the clinical setting. A clinical rotation is included. Prerequisite: NURS 507.

### **NURS 519. Practice Leadership. 2 Credits.**

This course focuses on practice leadership theories and strategies related to the role of the DNP advanced practice nurse within the complex health care system. Prerequisite: Admission to DNP Program or consent of instructor.

### **NURS 520. Prof Role Dvlpmnt/Nurse Ansthsia. 3 Credits.**

The focus of this course is on the identification and analysis of the professional components of nurse anesthesia practice, emphasizing role development; management and leadership; medical, ethical and legal responsibilities; the provision of culturally competent care; and scope of professional practice. Other areas that will be explored include quality improvement, the legislative process, credentialing, professional organizations, conflict resolution, and self-care and stress management for the anesthetist. An in-depth analysis of current trends and issues affecting healthcare and the delivery of anesthesia services are included in the course content. Prerequisites: NURS 521 and NURS 507. Corequisite: NURS 517.

### **NURS 521. Foundations of Anesthesia Practice. 3 Credits.**

This course provides the foundation for nurse anesthesia practice. Lecture and discussion begin with an analysis of the history of anesthesia nursing, professionalism, and standards of care for the anesthetist. Safety in the nurse anesthesia environment will be emphasized. Additional content includes the applied chemical, physical, and biochemical concepts as they relate to anesthesia practice, including the mechanisms of anesthesia, medical mathematics, medical gas systems, laws governing gases, the anesthesia machine, monitoring principles and equipment, airway equipment and basic airway management, and universal precautions. Prerequisite: Admission to the Nurse Anesthesia Specialization.

### **NURS 522. Health Informatics. 3 Credits.**

This course prepares the health care practice professional to use and evaluate emerging health care technology and data systems to support evidence-based practice. Prerequisite: Admission to DNP Program or consent of instructor.

### **NURS 523. Health Promotion. 3 Credits.**

Paradigms in health promotion, health detection, and disease prevention across the lifespan are used in synthesis in theory and evidence-based primary care interventions. A clinical laboratory component is included. Prerequisite: Admission to the Nursing Graduate Program or consent of the instructor. Prerequisite or corequisite: NURS 514. S.

### **NURS 525. Applied Multivariate Statistics. 3 Credits.**

Principles, assumptions and applications of major multivariate statistical techniques commonly used in nursing and clinical health research. Prerequisite: Graduate level univariate statistics and admission to the Nursing Doctoral Program or consent of the instructor. F.

**NURS 526. Ethical, Legal and Health Policy Issues. 3 Credits.**

This course emphasizes health policy issues within the context of legal and ethical concepts. Students will examine and debate health policies in current practice, thus broadening their ability to analyze, implement, and evaluate health policy issues.

**NURS 527. Anesthesia Seminar and Clinical Practicum III. 5 Credits.**

This course further builds on the foundations learned in prerequisite courses. Students will incorporate previously learned anatomy, physiology, pathophysiology, and patient management into the care of subspecialty patients and patients with complex co-existing diseases. Advanced anesthesia principles are applied to the OB, pediatric, geriatric, and neuro patient. The pharmacology and anesthesia management of these subspecialty populations and patients with various disease states, such as kidney, musculoskeletal, and endocrine disorders, will be explored. Analysis, integration, and utilization of research to improve clinical practice is emphasized. The lecture content is reinforced with a clinical experience that emphasizes anesthesia care for subspecialty populations. A clinical/laboratory component is included. Prerequisite: NUR 517.

**NURS 530. Research Design & Methods in Nursing. 3 Credits.**

Prerequisite or corequisite: NURS 500 or consent of instructor.

**NURS 531. Adult-Gerontology Illness Management I. 3 Credits.**

This is the first of a two-course sequence that focuses on evidenced-based primary care diagnosis and management of common episodic/chronic problems encountered by young adults, adults and older adults and their social network in ambulatory, inpatient, and community settings. Physiological, psychosocial, and pharmacological interventions are integrated into the holistic care that incorporates age-related, cultural, family, and community variations. An on-campus intensive is required for this course. Prerequisites: NURS 511 and NURS 585. Corequisite: NURS 597. F.

**NURS 532. Family Nursing. 3 Credits.**

Theoretical and scientific foundations for advanced practice nursing care for the family-as-a-unit in health and illness across the lifespan.

**NURS 533. Adult-Gerontology Illness Management II. 3 Credits.**

This is the second of a two-course sequence that focuses on evidenced-based primary care diagnosis and management of common episodic/chronic problems encountered by young adults, adults and older adults and their social network in ambulatory, inpatient, and community settings. Physiological, psychosocial, and pharmacological interventions are integrated into the holistic care that incorporates age-related, cultural, family, and community variations. An on-campus intensive is required for this course. Prerequisite: NURS 531. Corequisite: NURS 597. S.

**NURS 535. Advanced Pharmacology for Primary Care I. 2 Credits.**

Pharmacological agents utilized to treat common acute and chronic health problems are explored in depth. The course focus is on advanced nurse practice roles related to prescription, pharmacological, and therapeutic applications of the drugs. Prerequisite: Admission to the Nursing Graduate Program or consent of the instructor. Prerequisite or corequisite: NURS 510. F,S.

**NURS 537. Graduate Cooperative Education. 1-2 Credits.**

The course focus is upon experience in advanced nursing practice integrating theory, research, and advanced practice in a specific area of nursing. Course overview: the purpose of this course is to provide the graduate nursing student with advanced nursing practice as an employee in a health care agency and to evaluate that experience in relation to the educational program. A clinical/laboratory component is included. Prerequisite: Permission of Graduate Director of Nursing. Repeatable to 9 credits.

**NURS 538. Psych Diagnostic Reasoning. 2 Credits.**

This course prepares students for advanced therapeutic communication, interviewing, and assessment of people with mental illness across the life span. Skills are developed in differential diagnoses of psychopathology within the scope and standards of advanced psychiatric mental health nursing practice. Clinical application is included. Prerequisite: Acceptance into the PMHNP program or permission of instructor. S.

**NURS 539. Advanced Pharmacology for Primary Care II. 2 Credits.**

Pharmacological agents utilized to treat common acute and chronic health problems are explored in depth. The course focus is on advanced nurse practice roles related to prescription, pharmacological, and therapeutic applications of the drugs. Prerequisite: Admission to nursing graduate program and NURS 535 or consent of instructor. F,S.

**NURS 546. Advanced PHN I. 4 Credits.**

NURS 546 introduces concepts foundational to advanced PHN practice and population health. Corequisite: NURS 547.

**NURS 547. Advanced PHN Practicum I. 4 Credits.**

The focus of this course is on application of foundational concepts of Advanced PHN practice. Students will conduct a community assessment and identify community problems and strengths. Written and oral communication skills are emphasized. Corequisite: NURS 546.

**NURS 548. Advanced PHN II. 3 Credits.**

This course focuses on the leadership role of advanced PHN practice. Public health and community-based organizational assessment, program monitoring and evaluation, quality improvement, and management of multiple projects are emphasized. Concepts of leadership in public and community health and collaborative interdisciplinary practice are discussed. Health policy and law and ethics as they relate to public health are explored. In addition, advanced PHN leadership in rural areas and in disaster/emergency preparedness and management are discussed. Prerequisites: NURS 502, NURS 546, and NURS 547. Corequisite: NURS 549.

**NURS 549. Advanced PHN Practicum II. 3 Credits.**

This course focuses on implementation of advanced PHN interventions. Corequisite: NURS 548.

**NURS 550. Global Public Health Issues. 2 Credits.**

This course focuses on population health issues at a global level. Differences in population health status between developing and developed countries are explored. Special emphasis is placed on war as a public health issue and the global impact of AIDS.

**NURS 552. Role Development of the CNS. 2 Credits.**

Students will compare and contrast the various roles of the clinical nurse specialist and evaluate those roles as they relate to their individual area of practice. Concepts of professional development are emphasized. Prerequisite: NURS 502.

**NURS 553. Role Development of the NP. 2 Credits.**

This course emphasizes professional role development of the nurse practitioner. Students will compare and contrast the various roles of the nurse practitioner and evaluate those roles as they relate to the student's individual planned area of practice. Prerequisite: NURS 502.

**NURS 557. Foundations of Nursing Science. 3 Credits.**

The epistemology and philosophy of nursing as an art and a science are examined. Patterns of knowing as well as clinical, conceptual, and empirical types of nursing knowledge will be discussed. The development of theory as a knowledge claim is analyzed. Prerequisites: Masters Level Nursing Theory Course and Admission to PhD Program. S.

**NURS 558. Research Design. 3 Credits.**

This course prepares the doctoral student to understand the link between research design and the study purpose. Prerequisite: Admission to PhD program or consent of instructor. F.

**NURS 559. Maternal and Child Health in Primary Care. 2 Credits.**

This course focuses on advanced practice nursing care of obstetric and pediatric clients within a primary care setting. An on-campus intensive is required for this course. Prerequisites: Admission to FNP, NURS 510, NURS 511, NURS 523, and NURS 585. SS.

**NURS 564. Psychopharmacology. 2 Credits.**

This course provides the advanced practice student with knowledge in the pharmacology of psychopathology across the life span. Emphasis will be placed on the appropriate use of pharmaceuticals for psychiatric disabilities/disorders including: Mood disorders, development disorders, psychotic disorders, anxiety disorders, dementia, and substance abuse. Prerequisite: Admission to PMHNP program or permission of instructor. S.

**NURS 565. Rural Populations and Rural Health. 3 Credits.**

This course provides an overview of characteristics of rural populations and rural health. Factors that contribute to health, morbidity, and mortality are examined, and the compounded vulnerability of rurality and disadvantaged groups is analyzed. Prerequisite: A graduate level Epidemiology course or permission of instructor. S.

**NURS 566. Curriculum Development. 3 Credits.**

This course focuses on the curriculum development process. Societal, professional, and institutional factors as well as current research findings influencing the curriculum development process are analyzed. Consideration of the impact of adult learning principles, workforce issues, legal-ethical concerns, and diverse student populations in regard to the curriculum development process is given. Prerequisite: NURS 509.

**NURS 567. Teaching Methodologies. 3 Credits.**

The course explores theory-based teaching strategies designed to develop cognitive abilities, psychomotor skills, and affective qualities in learners from diverse backgrounds. Strategies and methods for the teaching of nursing content in a variety of settings are utilized. The use of technological tools in nursing education is evaluated. Prerequisite or corequisite: NURS 566.

**NURS 568. Teaching Practicum. 2 Credits.**

Students assume the role of the nurse educator in selected learning settings under the guidance of a preceptor. A clinical/laboratory component is included. Prerequisites: NURS 566 and NURS 567 and NURS 569, or consent of instructor.

**NURS 569. Assessment and Evaluation. 3 Credits.**

Principles of assessment, measurement, and evaluation are analyzed in this course as they relate to nursing education. The processes of assessing student learning, teaching, and program outcomes are explored. Topics relevant to the evaluation of individual student learning such as test development, evaluation of critical thinking, and clinical evaluation are included. The processes of faculty and program evaluation are examined. Prerequisites: NURS 566 and NURS 567, or consent of instructor.

**NURS 572. Diverse Vulnerable Populations. 3 Credits.**

Students will explore a wide range of concepts as they apply to diverse and vulnerable populations. The focus of the course is on understanding concepts and principles important to nursing when doing research, planning health care, developing health policy, and teaching in this area. Prerequisite: Admission to the Nursing Graduate Program or consent of the instructor.

**NURS 573. Research Funding. 3 Credits.**

This course integrates the scientific and practical aspects of professional writing and grant proposal development to obtain funds for research. Prerequisite: Admission to the graduate nursing program or approval of instructor. Prerequisite or Corequisite: NURS 574 and/or NURS 575; Non-nursing programs: Graduate level quantitative and/or qualitative research methods coursework required. F.

**NURS 574. Quantitative Nursing Methods. 3 Credits.**

The purpose of this course is to acquire knowledge and skills necessary to apply quantitative research methods in nursing. The course includes substantial applications of established methodologies and effective research techniques within the quantitative paradigm. Prerequisite: Admission to the doctoral program and completion of a multivariate statistics course. S.

**NURS 575. Qualitative Nursing Research. 3 Credits.**

This course focuses on examination and analysis of qualitative research designs with particular emphasis on approaches relevant to phenomena in nursing. Students will conduct fieldwork to develop some beginning qualitative research skills. Prerequisite or Corequisite: Admission to Doctoral Program or consent of instructor. F.

**NURS 577. Rural Healthcare Ethics. 3 Credits.**

This course is directed toward the development of critical dialogue and leadership strategies for dealing with ethical issues related to nursing, health care and research. Commitment to discussion, understanding and acceptance of the rights of others in dilemmas is emphasized. Reflexive nursing, which brings attention to one's own position and objectivity, is encouraged. The challenges of ethics in rural milieus are included in the discourse. Prerequisite: Admission to the Nursing doctoral Program or consent of the instructor. S.

**NURS 578. Doctoral Seminar. 1 Credit.**

Prerequisite: Admission to the Nursing doctoral Program or consent of the instructor.

**NURS 579. Dissertation Seminar. 1 Credit.**

A series of presentations and discussions of doctoral student research, literature reviews, and current issues in nursing is presented in a seminar format. Prerequisite: Advancement to doctoral candidacy. Repeatable to 9 credits. S/U grading. F,S,SS.

**NURS 580. Research Practicum. 1-6 Credits.**

The doctoral research practicum provides a research experience for doctoral nursing students separate from the dissertation to participate in the research process under the guidance of an experienced/funded investigator. Experiences may include grant writing, data collection, analysis, and manuscript writing. Repeatable to 6 credits. F,S,SS.

**NURS 581. The Nurse Scientist. 3 Credits.**

This course prepares the doctoral student to actively engage in doctoral study with knowledge of the discipline of nursing and skills that facilitate success as an emerging nurse scientist. Prerequisite: Admission to PhD program. F.

**NURS 582. Health Policy. 2 Credits.**

This course will prepare the health care professional to understand and apply knowledge of health policy to function as an advocate for populations and individuals. Prerequisite: Admission to the DNP Program or consent of instructor.

**NURS 583. Individual Therapy. 2 Credits.**

This course provides knowledge and skill development in the implementation of evidence-based clinical therapies and treatments focused on the individual including cultural variations. Includes clinical practice. Prerequisites or corequisites: NURS 500, NURS 502, NURS 510, NURS 511, NURS 514, NURS 523, NURS 535, NURS 538, NURS 539, and NURS 585.

**NURS 584. Group and Family Therapies. 3 Credits.**

Evidence-based clinical interventions with diverse groups and families are presented. Opportunities for clinical implementation accompany the theoretical models. A clinical/laboratory component is included. Prerequisites or corequisites: NURS 538, NURS 583 and admission into Psychiatric Mental Health specialization or consent of instructor.

**NURS 585. Advanced Health Assessment. 3 Credits.**

An evidenced-based approach will be used to present methodologies for graduate student performance on health histories, developmental assessments, and physical/psychosocial assessments of individuals. Communication and interviewing techniques for advanced nursing practice are applied. A clinical/laboratory component is included with variations for Family Nurse Practitioner, Psych/Mental Health, Adult-Gerontology, and Nurse Anesthesia students. An on-campus intensive is required for this course. Prerequisite: Completion of an undergraduate course in health assessment techniques or consent of instructor. Prerequisite or corequisite: NURS 510. F,S.

**NURS 586. Rural Health Programs and Research. 3 Credits.**

This course focuses on policies, programs and research related to rural health. Prerequisite: NURS 565 and NURS 558 or consent of instructor. F.

**NURS 588. Management of Psychopathology I. 2 Credits.**

The focus of this course is management of individuals, groups and families with or affected by psychopathology. Continuity of care across settings and community are emphasized. Prerequisites or Corequisites: NURS 538, NURS 583 and NURS 584.

**NURS 589. Management of Psychopathology II. 2 Credits.**

A firm basis for entry level advanced practice psychiatric mental health nursing is established in this course. Management of psychopathological co-morbidities is emphasized. Prerequisites or Corequisites: NURS 538, NURS 583, NURS 584 and NURS 588 passed at a B level.

**NURS 590. Directed Studies. 1-3 Credits.**

Designed to meet the needs of individual and/or small groups of graduate students. The course content will be based on student interests and needs in conjunction with the faculty member's area of specialization. Prerequisite: Consent of instructor. Repeatable.

**NURS 591. Readings in Nursing. 1-3 Credits.**

Readings in selected nursing/health care topics with written and/or oral reports. Prerequisite: Consent of instructor. Repeatable.

**NURS 592. Advanced PHN Practicum III. 4 Credits.**

This course provides a capstone experience in Advanced PHN practice. Students are expected to integrate knowledge from all of their previous coursework into an applied practicum experience in population health, to evaluate population health interventions and programs, and develop strategies for program funding. Prerequisites: NURS 548 and NURS 549.

**NURS 593. DNP Internship I. 4 Credits.**

This first DNA Internship course is designed to provide the DNA Advanced Practice Nurse (APN) student with opportunities to apply the concepts in the AACN DNA Essentials document in the practice environment. Students will also begin development of the DNA capstone project. Corequisite: NURS 598.

**NURS 594. DNP Internship II. 4 Credits.**

This course is designed to provide the DNP student with additional practice focused learning opportunities to apply the concepts in the AACN DNP Essentials document in the practice environment. The student will complete and disseminate findings from the capstone project. Prerequisite: NURS 593. Corequisite: NURS 599.

**NURS 595. DNP Internship III. 4 Credits.**

This course is designed to provide the DNP APN with additional practice focused learning opportunities to apply the concepts in the AACN DNP Essentials document in the practice environment. The student will complete the DNP capstone project and disseminate findings in presentations and publications. Prerequisites: NURS 593 and NURS 594. Corequisite: NURS 596.

**NURS 596. DNP Capstone. 2 Credits.**

The capstone course provides the DNP students an opportunity to develop skills in reporting and dissemination of practice focused research findings. There is a focus on writing for publication of practice focused research. Corequisite: NURS 595.

**NURS 597. Advanced Clinical Practicum. 1-12 Credits.**

This clinical practicum course provides the student with the opportunity to obtain extended clinical experience in the area of specialization. The course focuses on the integration of theoretical knowledge into clinical practice. A clinical/laboratory component is included. Prerequisite: Completion of NURS 517 for Nurse Anesthesia specialization or completion of first year curriculum for the Family Nurse Practitioner, Psychiatric/Mental Health or Gerontology specializations. Repeatable. S/U grading.

**NURS 598. Evidence Based Research I. 3 Credits.**

This course focuses on the development of the practice scholar and includes content of research and program evaluation methods used to address practice problems and inform future evidence based practice. Corequisite: NURS 593.

**NURS 599. Evidence-Based Research II. 3 Credits.**

This course focuses on the continued development of the practice scholar and includes content of research and program evaluation methods and analysis used to address practice problems and inform future evidence based practice. Prerequisite: NURS 598. Corequisite: NURS 594.

**NURS 996. Continuing Enrollment. 1-12 Credits.**

Repeatable. S/U grading.

**NURS 997. Independent Study. 2 Credits.**

**NURS 998. Thesis. 1-4 Credits.**

Repeatable to 4 credits.

**NURS 999. Dissertation. 1-15 Credits.**

Repeatable to 15 credits.