

NURSING AND HEALTH STUDIES

<http://www.miami.edu/sonhs>

The University of Miami (UM) School of Nursing and Health Studies (SONHS) is committed to academic excellence, the advancement of healthcare, and service to society. Opportunities are available for students to study and earn course credit in a variety of local and international settings.

Mission

The mission of the SONHS is to educate students and support faculty committed to excellence in nursing and health science. Through research, education and practice, the school will create and disseminate health knowledge and prepare culturally competent leaders to provide safe service to our community, the nation and the world.

Nursing Accreditation

The MSN and DNP programs in the SONHS are accredited by the following:

Commission of Collegiate Nursing Education (CCNE)
One DuPont Circle NW, Suite 530
Washington, DC 20036
(202) 887-6791

The Nurse Anesthesia program is accredited by the following:

Council on Accreditation of Nurse Anesthesia Education Programs (COA)
222 South Prospect Avenue
Park Ridge, IL 60068-4001
(847) 692-7050 (ext. 1154)

Graduate Degrees and Academic Programs

The SONHS offers a variety of academic programs across six graduate degrees:

1. **Doctor of Philosophy (PhD) in Nursing Science**
 - a. BSN-to-PhD
 - b. MSN-to-PhD
2. **Doctor of Nursing Practice (DNP)**
 - a. BSN-to-DNP
 - b. MSN-to-DNP (*1 Year, 1 Year Plus, and 2 Year*)
3. **Master of Science in Nursing (MSN)**
 - a. Adult-Gerontology Acute Care Nurse Practitioner (*Full-time and Part-time*)
 - b. Adult-Gerontology Primary Care Nurse Practitioner (*Full-time and Part-time*)
 - c. Family Nursing Practitioner (*Full-time and Part-time*)
4. **Post-Graduate Certificate**
 - a. Adult-Gerontology Acute Care Nurse Practitioner
 - b. Adult-Gerontology Primary Care Nurse Practitioner
 - c. Family Nursing Practitioner
 - d. Psychiatric Mental Health Nursing

Admission

Admission to graduate programs in the SONHS is subject to the rules, regulations, and procedures as set forth in the Academic Bulletin, the Student Handbook (<http://www.sonhs.miami.edu/academics/student-handbooks/>), and the SONHS website (<http://www.miami.edu/sonhs/index.php/sonhs/admissions/>), and as determined by each graduate nursing program, the Graduate School, and the Office of International Admission. Applicants must meet specific admission requirements (<http://www.miami.edu/sonhs/index.php/sonhs/admissions/>) before they may be evaluated for admission to the SONHS' graduate programs. Applications for the SONHS' graduate programs, except for the online Informatics programs, are submitted through NursingCAS (<http://www.nursingcas.org/>). Applications for the online Informatics programs are submitted through UOnline (<http://www.miami.edu/online/admissions/>).

Degree Requirements

The degree requirements for each SONHS graduate program are outlined under the "MASTERS" and "DOCTORAL" tabs above. All graduate programs are lock-step, meaning students must follow the Plan of Study under which they were admitted as listed in the Academic Bulletin and the Student

Handbook (<http://www.sonhs.miami.edu/academics/student-handbooks/>), and they must successfully complete the courses in each semester to progress to the next. Students should contact their appropriate Associate Dean or Program Director, or a staff member in the OSS (<https://www.sonhs.miami.edu/admissions-and-student-services/>) to discuss any questions related to their degree requirements.

Doctor of Philosophy (PhD) in Nursing Science

The principal goal of the PhD with a major in Nursing Science is to prepare scholars and researchers who will contribute to the growth of science in nursing through recognized methods of scholarly inquiry. Admission to the doctoral program is competitive.

Doctor of Nursing Practice (DNP)

The DNP degree is a practice-focused doctorate designed for nurses seeking a terminal degree in nursing practice. The program is offered in two formats: the MSN-to-DNP and the BSN-to-DNP for Advanced Practice Nursing including Nurse Anesthesia, Adult Gerontology Acute Care Nurse Practitioner, Adult Gerontology Primary Care Nurse Practitioner, and Family Nurse Practitioner tracks. The BSN-to-DNP program is available as an entry into practice degree, meaning it is available to post-baccalaureate nurses with or without a master's degree in nursing.

The outcome objectives for graduates of the DNP program are to:

- Integrate knowledge, theories, and concepts from the biophysical, psychosocial, analytical, and organization sciences to develop ethical health care systems and new frontiers for nursing practice that address health care disparities
- Evaluate research methods and findings to create an evidence base for nursing practice and health care delivery systems that reflect best practices and alleviate health care disparities
- Synthesize knowledge gained from traditional and innovative learning methods to lead quality, cost-effective health care collaborations addressing health care disparities
- Demonstrate expert clinical judgment and knowledge of health care systems to design, deliver and evaluate evidence-based care interventions to reduce health care disparities
- Model expert nursing practice and serve as mentors to nursing colleagues in their efforts to improve nursing practice and health care systems
- Employ knowledge of health care policy and economics to develop and evaluate programs to address health care disparities

Master of Science in Nursing (MSN)

The MSN degree is designed for professional nurses holding a Bachelor of Science in Nursing (BSN) degree. Registered nurses with baccalaureate degrees in other fields are also eligible to apply for admission. The following specialty tracks available in the SONHS focus on selected areas of advanced practice nursing and nursing education:

- Adult-Gerontology Acute Care Nurse Practitioner
- Adult-Gerontology Primary Care Nurse Practitioner
- Family Nurse Practitioner

Degree requirements may be completed in three semesters of full-time study or five semester of part-time study.

Post-Graduate Certificate

Post-Graduate Certificate options are available in each of the following areas to students who possess a MSN degree and who wish to focus on selected areas of advanced practice nursing and nursing education:

- Adult-Gerontology Acute Care Nurse Practitioner
- Adult-Gerontology Primary Care Nurse Practitioner
- Family Nurse Practitioner
- Psychiatric Mental Health Nurse Practitioner

All students are required to complete core courses for their selected area of study and may be required to take additional courses at the graduate level based on their gap analysis.

Post-Bachelor's Certificate

The Post-Bachelor's Certificate program is designed to prepare graduates for rewarding informatics careers in a wide range of industries within healthcare. UOnline's flexible Informatics programs give students the option to complete their MS in Health Informatics while earning a Post-Bachelor's Certificate in Health Informatics along the way or to focus on just earning the Post-Bachelor's Certificate itself. The 15 credit Post-Bachelor's Certificate is made up of the first 5 classes of the MS program. Credits completed for the Post-Bachelor's Certificate can be applied toward the MS degree.

Academic Policies

Student Responsibilities

Students in the SONHS are responsible for fulfilling their degree requirements. Students are also responsible for complying with all provisions outlined in the Academic Bulletin and the Student Handbook (<http://www.sonhs.miami.edu/academics/student-handbooks/>), as well as all written changes to the plan of study.

Students are provided assistance by faculty advisors and other faculty members. Requests for deviation from the Plan of Study or SONHS requirements are granted only by written approval from the Associate Dean or Dean. Students who are in violation of the provisions of this Academic Bulletin may be withdrawn from classes unilaterally or have a stop placed upon their future enrollment by appropriate SONHS officials. The SONHS reserves the right to change academic requirements to include course offerings that ensure students receive the highest-quality and most-current education. Classes may be held on weekdays or weekends and will be listed as such in the course schedule. Any programmatic changes are transmitted by written notice in the Student Handbook (<http://www.sonhs.miami.edu/academics/student-handbooks/>) or by an official in the SONHS.

Academic Bulletin and Student Handbook

In addition to the material listed in the Academic Bulletin, all SONHS students are held to the policies, procedures, and requirements listed in the most current Student Handbook (<http://www.sonhs.miami.edu/academics/student-handbooks/>) for their respective degree program. Please note the material included in the Student Handbook is subject to change throughout the academic year and may not be reflected in the Academic Bulletin. The Student Handbook contains the most current information. Consult the appropriate Associate Dean or Program Director or reach out to a staff member in the Office of Student Services (OSS) (<https://www.sonhs.miami.edu/admissions-and-student-services/>) to discuss questions related to academic requirements and opportunities.

Technical Standards

Nursing education requires that the accumulation of scientific knowledge be accompanied by the simultaneous acquisition of skills and professional attitudes and behaviors. The nursing degrees awarded by the UM SONHS at the completion of the educational process certifies that the individual has acquired a base of knowledge and skills required for the practice of nursing at the respective undergraduate or graduate level. To this end, all courses in the curriculum must be completed successfully. In order to acquire the knowledge and skills to function in a variety of clinical situations and to render a wide spectrum of patient care, candidates for the undergraduate and graduate degrees in nursing must have abilities and skills in five areas:

1. Observation
2. Communication
3. Motor
4. Conceptual-Integrative
5. Behavioral-Social

Technological compensation can be made for some disabilities in certain of these areas, but a candidate should be able to perform in a reasonably independent manner and exercise independent judgment. Reasonable accommodations will be considered on a case by case basis for individuals who meet eligibility under applicable statutes. Any person expecting to need accommodations should request them prior to beginning the program, as some accommodations may not be considered reasonable and may impact an applicant's ability to complete all components of the program.

Observation

The candidate must be able to observe demonstrations and participate in didactic courses and simulated learning opportunities. A candidate must be able to observe a patient accurately at a distance and close at hand. Observation requires the use of common sense, as well as the functional use of the senses of vision, audition, olfaction, and palpation.

Communication

Candidates must communicate effectively using English in clinical and classroom settings. A candidate must be able to elicit information from patients, describe changes in mood, activity and posture, and perceive nonverbal communications. A candidate must be able to communicate effectively and sensitively with patients. Communication includes not only speech, but reading and writing. The candidate must be able to communicate effectively and efficiently with all members of the health care team in both immediate and recorded modes.

Motor

Candidates should have sufficient motor function to elicit information from patients by palpation, auscultation, percussion and other assessment techniques. A candidate should be able to perform nursing skills requiring the use of gross and fine motor skills (e.g. IV insertion, venous blood draw, urinary catheter insertion). A candidate should be able to execute motor movements reasonably required to provide nursing care and emergency response to patients. Examples of emergency responses reasonably required of nurses are cardiopulmonary resuscitation, medication administration, and application of pressure to stop bleeding. Candidates must perform actions which require the use of both gross and fine muscular movements, equilibrium, and functional use of the senses of touch and vision. Candidates should also be able to assist and/or participate in various lifting activities.

Conceptual-Integrative

These abilities include measurement, calculation, reasoning, analysis, synthesis, and retention of complex information. Critical thinking requires all of these intellectual abilities in order to provide optimal nursing care. In addition, the candidate should be able to comprehend three-dimensional relationships and to understand the spatial relationships of structures.

Behavioral-Social

Candidates must possess the emotional health required for the full use of their intellectual abilities, the exercise of good judgment, the prompt completion of all responsibilities attendant to the care of patients, and the development of mature, sensitive and effective relationships with patients. Candidates must be able to tolerate physically taxing workloads and to function effectively under stress in the classroom and clinical area. They must be able to adapt to changing environments, display flexibility and learn to function in the face of uncertainties inherent in the clinical environment. Compassion, integrity, concern for others, interpersonal skills, interest and motivation are all personal qualities that are assessed during the admissions and educational process.

Clinical Clearance

Before students can enter the SONHS' graduate nursing programs, they must successfully complete a drug test and a background check. Students must have a background report without any infractions, regardless of how they were resolved or adjudicated. Accordingly, if a student's background report contains any infractions, regardless of how they were resolved or adjudicated, he/she will not be able to successfully complete the background check and he/she will be withdrawn from the nursing program.

Students must also provide current immunizations as outlined by the SONHS and obtain a Basic Life Support (BLS) for Healthcare Providers certification from the American Heart Association prior to entry into clinical coursework. The BLS certification must include content on Automated External Defibrillators (AEDs). Additional certifications may be required for specific graduate programs.

Refer to the Student Handbook (<http://www.sonhs.miami.edu/academics/student-handbooks/>) or speak with a representative in the OSS (<https://www.sonhs.miami.edu/admissions-and-student-services/>) for more information.

Grades

Students should refer to the Student Handbook (<http://www.sonhs.miami.edu/academics/student-handbooks/>) for more detailed information on the SONHS' policies related to grades, progression, and dismissal.

Graduate nursing students must earn a B or higher in each course to progress. Any graduate student who receives a "C" or lower in a nursing course will be dismissed from his or her program. A grade of "B-" or "C+" for a course is below graduate standards, and the student must repeat that course. However, a student may only repeat one course, one time. The student will be dismissed if he/she fails a second course even if he/she retook and passed the previous failed course. A passing grade in all clinical experiences is required to pass a course having a clinical component (generally listed as a "lab section" by UM). Students who are not making satisfactory progress may also receive an academic alert at mid-semester or mid-course. All grades are included in the computation of the UM overall grade point average including those that are failed or repeated.

A grade of B or higher is considered a passing grade for the MS Health Informatics program, which includes all courses completed as part of the Post-Bachelor's Certificate Health Informatics program (if applicable).

When a course must be repeated, progression in the graduate program will be altered in order for prerequisites to be met. Such alteration will lengthen the time required to complete the graduate program.

Grade Point Averages (GPAs)

Students should refer to the Student Handbook (<http://www.sonhs.miami.edu/academics/student-handbooks/>) for more detailed information on the SONHS' policies related to GPAs, progression, and dismissal.

Requirements to Continue

Students who are enrolled in SONHS' graduate programs must maintain a 3.0 GPA to progress.

Requirements to Graduate

Students who are enrolled in SONHS' graduate programs must maintain a 3.0 GPA to graduate.

Prerequisites and Corequisites

Students must successfully complete all specified prerequisites with a B or higher. Students must also register for all required corequisites at the time of enrollment. If students enroll in a course without the proper prerequisite or corequisite, they may be dropped from the course at the discretion of the course instructor, OSS, Program Director, Associate Dean, or Dean. Students should contact their appropriate Associate Dean or Program Director, or a staff member in the OSS (<https://www.sonhs.miami.edu/admissions-and-student-services/>) to discuss any questions related to course enrollment.

Transfer Credit

SONHS graduate students may, depending on their program, transfer up to 9 credits toward their graduate degree at the discretion of their Associate Dean. Detailed course descriptions or syllabi are required for transfer equivalency reviews.

Pre-immersion Course

Prior to enrollment in any SONHS graduate program, except for the Informatics programs, students must complete a mandatory online pre-immersion, orientation, and/or writing express course. These courses are listed in students' first term of enrollment but it does not affect students' GPAs. Failure to complete these courses may delay entry into the clinical nursing courses. Information about these courses will be provided to eligible students by the SONHS.

Research Experience

Students may participate in research experiences through the SONHS (<http://www.miami.edu/sonhs/index.php/sonhs/research/>) during their time at the UM. Students should speak with their appropriate Associate Dean or Program Director to learn more about the research opportunities available to them at the UM.

Accommodations Policy for Students with Disabilities

The SONHS adheres to standards of the Americans with Disabilities Act. Any student needing special accommodations should seek assistance through the Office of Disability Services (ODS) (<http://umarc.miami.edu/arc/ODS.html>), which is the primary on-campus resource responsible for the coordination of services for students with disabilities. Students must follow ODS' policies, procedures, and timelines to request assistance. Please note ODS has strict deadlines to apply for accommodations; only students who are officially registered with ODS may be granted accommodations.

Financial Assistance

Students interested in obtaining financial assistance in the form of student loans, grants, etc. should contact the Office of Financial Assistance (<http://www.miami.edu/admission/index.php/ofas/>).

The SONHS also offers limited merit-based and need-based scholarships to continuing students. The types of scholarships available and the qualifications for them vary by semester. Continuing students who wish to be considered for SONHS scholarships must apply for such scholarships through the SONHS General Scholarship Application. Calls for applications are e-mailed to continuing students once each semester to prompt students to apply who wish to be considered for a scholarship for the next term. Additional information on SONHS scholarships as well as health science-, nursing-, and public health-related outside scholarships can be found on the SONHS Scholarships website (<http://www.sonhs.miami.edu/admissions-and-financial-aid/financial-aid-and-community-scholarships/>).

Full-time PhD students are considered for financial support, which may include:

1. **Tuition Scholarships:** These awards vary in amount and are intended to assist the recipient in pursuit of study and research as required by the degree. These scholarships are awarded on a competitive basis.
2. **Graduate Stipends:** These cash awards, paid monthly, are intended as part of an educational assistance program for PhD degree students. The stipends require service in the form of teaching, research assistance, or other appropriate educational activities that may be designated by the supervisor of the recipient.

Students may speak with a representative in the OSS (<https://www.sonhs.miami.edu/admissions-and-student-services/>) if they have any questions.

Facilities

The SONHS is located on the Coral Gables Campus. The four-story, Jerusalem-stone and stucco M. Christine Schwartz Center for Nursing and Health Studies opened in Fall 2006. The building features classrooms and clinical practice labs, conference rooms, a computer lab, and a simulation academy, all equipped with the latest technology. The spacious 53,000 square foot facility supports the work of more than 40 nurse-scientists and clinical educators and approximately 1,100 undergraduate and graduate students enrolled in the SONHS' health science, nursing, and public health programs.

In Fall 2017, the SONHS opened the new, state-of-the-art, 41,000 square foot, 5 story Simulation Hospital (http://www.miami.edu/sonhs/index.php/simulation_hospital/). The Simulation Hospital is a one-of-a-kind facility, as it is one of the first education-dedicated simulation facilities located on a college campus. This new facility uses the latest simulation technology to provide SONHS students with the highest-quality healthcare education through a variety of simulated clinical environments. It also provides opportunities for public health-related simulation experiences and creates ample opportunities for inter-professional education (IPE).

Library resources for SONHS students are available at the Otto G. Richter Library (<http://library.miami.edu/>) on the Coral Gables Campus and the Louis Calder Memorial Library (<http://calder.med.miami.edu/>) on the Medical Campus.

Clinical experiences are offered in a variety of hospitals and health-related agencies in the community, including the University of Miami Hospital, Jackson Health System, Sylvester Comprehensive Cancer Center, Nicklaus Children's Hospital, and approximately 170 other community partners.

Master of Science in Nursing (MSN) Programs

- Master of Science in Nursing (MSN) (<http://bulletin.miami.edu/graduate-academic-programs/nursing-health-studies/nursing-msn-adult-gerontology-acute-care-nurse-practitioner/>)

Doctor of Philosophy (PhD) in Nursing Science Programs

- BSN-to-PhD (<http://bulletin.miami.edu/graduate-academic-programs/nursing-health-studies/nursing-science/>)
- Masters-to-PhD (<http://bulletin.miami.edu/graduate-academic-programs/nursing-health-studies/nursing-science/>)

Doctor of Nursing Practice (DNP) Programs

- BSN-to-DNP (<http://bulletin.miami.edu/graduate-academic-programs/nursing-health-studies/doctor-nursing-practice-nurse-anesthesia-track-bsn-dnp/>)
- MSN-to-DNP (<http://bulletin.miami.edu/graduate-academic-programs/nursing-health-studies/doctor-nursing-practice-msn-dnp/>)

Post-Master's Certificate Programs

- Post-Master's Certificate, Adult-Gerontology Acute Care Nurse Practitioner (<http://bulletin.miami.edu/graduate-academic-programs/nursing-health-studies/post-masters-adult-gerontology-acute-care-nurse-practitioner/>)
- Post-Master's Certificate, Adult-Gerontology Primary Care Nurse Practitioner (<http://bulletin.miami.edu/graduate-academic-programs/nursing-health-studies/post-masters-adult-gerontology-primary-care-nurse-practitioner/>)
- Post-Master's Certificate, Family Nurse Practitioner (<http://bulletin.miami.edu/graduate-academic-programs/nursing-health-studies/post-masters-family-nurse-practitioner/>)
- Post-Master's Certificate in Oncology Nurse Practitioner (<http://bulletin.miami.edu/graduate-academic-programs/nursing-health-studies/post-masters-oncology-nurse-practitioner/>)
- Post-Master's Certificate, Psychiatric Mental Health Nurse Practitioner (<http://bulletin.miami.edu/graduate-academic-programs/nursing-health-studies/post-masters-psych-mental-health/>)

NUR 601. Advanced Pharmacology. 3 Credit Hours.

Advanced practice nursing application of pharmacological and pharmacokinetics for the purpose of selecting appropriate drug therapies for diverse populations.

Components: LEC.

Grading: GRD.

Typically Offered: Fall & Spring.

NUR 602. Doctoral Level Orientation/Nur. 0 Credit Hours.

This course provides entering doctoral students with an evaluation of their writing ability and a review of formal writing skills. Other topics pertinent to success for nursing coursework at the doctoral level are addressed.

Components: LEC.

Grading: NON.

Typically Offered: Summer.

NUR 603. Healthcare Databases: Design, Development and Clinical Application. 3 Credit Hours.

This course focuses database systems, development, design, and implementation within the context of health care. Special emphasis is placed on the role of database applications for continuous quality improvement and regulatory compliance. Students will design a relational database applicable to informatics leadership responsibilities.

Components: LEC.

Grading: GRD.

Typically Offered: Offered by Announcement Only.

NUR 604. System Life Cycle/Project Management. 3 Credit Hours.

This course covers the identification and development of information technology plans for projects supporting the health care organization's business objectives and all activities required in the initiating, planning, executing, controlling, and closing phases of the project's lifecycle. This course is intended to provide the body of knowledge and best practices necessary for a new Consultant, Business Analyst or Project Manager to successfully perform his/her responsibilities on an IT enterprise project.

Components: LEC.

Grading: GRD.

Typically Offered: Offered by Announcement Only.

NUR 606. Advanced Practice Preparation. 0 Credit Hours.

This preparatory experience provides students an opportunity to review concepts of pharmacology; physiology; and health assessment prior to beginning the Master of Science in Nursing program. Activities related to academic strategies and writing are also included, to assist in improving study and writing skills.

Components: LEC.

Grading: NON.

Typically Offered: Fall & Spring.

NUR 608. Concepts in Advanced Practice Nursing. 3 Credit Hours.

Major concepts necessary for advanced practice nursing. Included are: major scientific theories, health and health promotion, health policy, ethical issues, epidemiology, technology in health care, and advanced practice role competencies. Specific emphasis is placed on understanding culture and cultural diversity in health care.

Components: LEC.

Grading: GRD.

Typically Offered: Fall & Spring.

NUR 609. Professionalism in Advanced Practice Nursing. 2 Credit Hours.

Focuses on the synthesis of concepts and principles necessary to develop leaders in advanced practice nursing specialties. Emphasis is placed on the role of the advanced practice nurse for optimal delivery of health care to clients across the life span.

Components: LEC.

Grading: GRD.

Typically Offered: Summer.

NUR 610. Adult Gerontology Acute Care I. 4 Credit Hours.

Analysis of selected theories and conceptual models of nursing and their implementation in practice and research. Approaches to development of a scientific body of knowledge for nursing practice is included. (2) Prerequisite: Graduate status.

Prerequisite: NUR 601 and 612 and 613.

Components: LEC.

Grading: GRD.

Typically Offered: Fall.

NUR 611. Foundations of Anesthesia Science and Technology for Nurse Anesthetists. 5 Credit Hours.

This course is an introduction to the application of basic sciences to nurse anesthesia. During the course, students will apply principles of physics, molecular biology, biochemistry, and medicinal chemistry. Students will demonstrate competence in anesthesia technologies.

Prerequisite: Admission into the BSN-DNP Nurse Anesthesia Program.

Components: LEC.

Grading: GRD.

Typically Offered: Spring.

NUR 612. Physiology/Pathophysiology for Advanced Practice Nursing. 3 Credit Hours.

Analysis of physiologic and pathophysiologic mechanisms of health and illness.

Components: LEC.

Grading: GRD.

Typically Offered: Fall & Spring.

NUR 613. Advanced Health Assessment and Diagnostic Reasoning. 3 Credit Hours.

Emphasis on culturally sensitive comprehensive health assessment and diagnostic reasoning related to advanced nursing practice. Special emphasis is placed on advanced health assessment; including age appropriate health screenings; prenatal, pediatric, and geriatric assessment; and interpretation of basic laboratory tests and diagnostic studies utilized in advanced nursing practice. Specialty specific seminars address issues for individual tracks within advanced practice nursing.

Components: LEC.

Grading: GRD.

Typically Offered: Fall, Spring, & Summer.

NUR 614. Basic Concepts in Anesthesia Nursing. 5 Credit Hours.

This course is an overview of fundamental knowledge and skills for entry into advanced practice anesthesia nursing. Concepts include essential techniques, monitoring and equipment, and pharmacologic interventions for common problems and conditions requiring routine surgical procedures in a highly structured and guided clinical learning environment. Cultural competence and interdisciplinary anesthesia care across the lifespan is emphasized.

Prerequisite: NUR 601, NUR 611, NUR 612 and NUR 613 Co-requisite: NUR 617 and NUR 618.

Components: LEC.

Grading: GRD.

Typically Offered: Summer.

NUR 615. Professional Aspects of Anesthesia Nursing. 2 Credit Hours.

This course focuses on the development and current trends in nurse anesthesia practice, education, and research. Concepts include the historical, legal, legislative, and professional role issues associated with advanced practice anesthesia nursing. Professional responsibilities, ethical issues, diversity, cultural competency, quality assurance, continuing education, and professional involvement are emphasized.

Prerequisite: NUR 646 and Co-requisite: NUR 650.

Components: LEC.

Grading: GRD.

Typically Offered: Spring.

NUR 617. Pharmacology for Anesthesia Nursing. 3 Credit Hours.

This course will integrate pharmacologic principles with application to clinical practice in anesthesia nursing. Students will apply pharmacological and pathophysiological concepts synthesizing safe interventions in a culturally competent, interdisciplinary anesthesia nursing practice.

Prerequisite: NUR 601, NUR 611, NUR 612 and NUR 613.

Components: LEC.

Grading: GRD.

Typically Offered: Summer.

NUR 618. Advanced Diagnostic Reasoning for Nurse Anesthesia Practice. 3 Credit Hours.

This advanced diagnostic reasoning course emphasizes diagnostic studies utilized in the perioperative setting and peri-anesthesia practice. Content will be structured to offer a standardized way to practice diagnostic evaluation and reasoning. Specialty-specific content and topics address issues for nurse anesthesia practice within advanced practice nursing.

Pre-requisites: NUR 601, NUR 611, NUR 612 and NUR 613.

Components: LEC.

Grading: GRD.

Typically Offered: Summer.

NUR 619. Advanced Concepts of Anesthesia Nursing I. 8 Credit Hours.

This course will provide an in-depth knowledge and skills of anesthesia nursing care for a variety of common problems and conditions across anesthesia specializations. Concepts include assessment, techniques, planning and pharmacologic interventions for specialty surgical procedures in a highly structured and guided clinical learning environment. Cultural competence and interdisciplinary anesthesia care across the lifespan is emphasized.

Prerequisites: NUR 601 and NUR 611 and NUR 612 and NUR 613 and NUR 614 and NUR 617.

Components: LEC.

Grading: GRD.

Typically Offered: Fall.

NUR 620. Advanced Concepts of Anesthesia Nursing II. 9 Credit Hours.

This course will provide in-depth knowledge and introduce skills for highly specialized problems and conditions requiring anesthesia or surgical interventions. Concepts include assessment, techniques, planning and pharmacologic interventions for regional anesthesia, pain management, anesthetic management of obstetrical patients and pediatric patients in a highly structured and guided clinical learning environment. Cultural competence and interdisciplinary anesthesia care across the lifespan are emphasized.

Prerequisites: NUR 601, NUR 611, NUR 612, NUR 613, NUR 614, NUR 617 and NUR 618.

Components: LEC.

Grading: GRD.

Typically Offered: Spring.

NUR 621. Diagnostics and Nursing Interventions for Acute Care Nursing. 3 Credit Hours.

Selected diagnostic tests and intervention techniques essential to acute care nursing. Critical thinking and decision making related to interdisciplinary assessment of acute care patients. Cultural issues related to diagnostics and intervention.

Prerequisite: NUR 601 and 612 and 613.

Components: LEC.

Grading: GRD.

Typically Offered: Spring.

NUR 623. Pediatric Health in Primary Care Practice. 3 Credit Hours.

Theoretical and clinical bases for advanced practice nursing strategies in the management of infants, children, adolescents, and young adults. Emphasis is placed on health promotion, disease prevention, and advanced practice management of health alterations in the pediatric population.

Co-requisites: NUR 601 and NUR 612 and NUR 613.

Components: LEC.

Grading: GRD.

Typically Offered: Spring.

NUR 624. Introduction to Pedagogy. 3 Credit Hours.

This course provides students a foundation in Pedagogy using examples from nursing education. Students will learn about educational theory, the cultural context of education, and the role of teaching in the academy. Educational strategies to be discussed include didactic, online, clinical, laboratory, and simulation. Best practices in assessment and evaluation will be emphasized.

Requisite: Must Be A Nursing PhD Student Or Permission of Instructor.

Components: LEC.

Grading: GRD.

Typically Offered: Spring.

NUR 625. Adult Gerontology Acute Care II. 7 Credit Hours.

Theoretical and clinical focus for the nurse practitioner as an advanced practice nurse in the health care management of adult populations in rehabilitative settings and residential facilities including assisted living, long term, and home care. (2:6) Prerequisite or corequisite: NUR 601.

Prerequisite: NUR 613 and 617.

Prerequisite: NUR 601 and 610 and 612 and 613.

Components: LEC.

Grading: GRD.

Typically Offered: Spring.

NUR 627. Maternal Women's Health in Primary Care Practice. 3 Credit Hours.

This course provides a theoretical and clinical basis for advanced practice nursing strategies in the management of women of reproductive age. An overview of the prenatal period is provided. Emphasis is placed on health promotion, disease prevention, and advanced practice management of health alterations in women.

Co-requisites: NUR 601 and NUR 612 and NUR 613.

Components: LEC.

Grading: GRD.

Typically Offered: Fall & Spring.

NUR 628. Adult Gerontology I. 5 Credit Hours.

Theoretical and clinical bases for health care management of health alterations in the adult population. Emphasis on strategies for health maintenance and prevention of health problems, management of alterations, discharge planning and rehabilitation of individuals and aggregate population.

Co-requisites: NUR 601 and NUR 612 and NUR 613.

Components: LEC.

Grading: GRD.

Typically Offered: Fall.

NUR 630. Research Methods and Evidence-Based Practice. 3 Credit Hours.

Research process, research methods, and the analysis of data using quantitative and qualitative approaches. Focuses on understanding levels of evidence for implementing evidence-based practice and performance improvement in nursing practice and health care. Investigates research methods associated with health disparities, access to health care, and clinical outcomes.

Components: LEC.

Grading: GRD.

Typically Offered: Fall & Summer.

NUR 631. Adult Gerontology II. 4-7 Credit Hours.

Theoretical and clinical bases for health management of health alterations in the adult population. Emphasis on strategies for health maintenance and prevention of health problems, management of alterations, discharge planning and rehabilitation of individuals and aggregate population.

Prerequisites: NUR 601 and NUR 612 and NUR 613 and NUR 628.

Components: LEC.

Grading: GRD.

Typically Offered: Spring.

NUR 638. Adult Gerontology Acute Care III. 6 Credit Hours.

Theoretical, clinical, and research basis of advanced practice nursing in the care and management of adults in primary care setting. (2:15) Prerequisite: NUR 628.

Prerequisite: NUR 625.

Components: LEC.

Grading: GRD.

Typically Offered: Summer.

NUR 645. Interdisciplinary Anesthesia Nursing I. 8 Credit Hours.

This course involves the integration and synthesis of advanced knowledge and skills for interdisciplinary anesthesia nursing care. Selected topics and clinical case studies include collaborative decision-making, effective communication, planning and evaluation for patients with complex problems and conditions across the lifespan. With continuous guidance, students assume greater responsibility for culturally competent and interdisciplinary anesthesia care.

Prerequisites: NUR 601, NUR 611, NUR 612, NUR 613, NUR 614, NUR 617, NUR 618, NUR 619, and NUR 620.

Components: LEC.

Grading: GRD.

Typically Offered: Summer.

NUR 646. Interdisciplinary Anesthesia Nursing II. 11 Credit Hours.

This course continues the integration and synthesis of advanced knowledge and skills for interdisciplinary anesthesia nursing care for complex problems and conditions across the lifespan. With minimal guidance, students assume greater responsibility for culturally competent and interdisciplinary anesthesia care.

Prerequisites: NUR 601, NUR 611, NUR 612, NUR 613, NUR 614, NUR 617, NUR 618, NUR 619, NUR 620 and NUR 645.

Components: LEC.

Grading: GRD.

Typically Offered: Fall.

NUR 647. Advanced Practice Nursing Integration. 6 Credit Hours.

Integration of the components of the Advanced Practice Nursing role to analyze advanced practice issues.

Prerequisite: NUR 601, NUR 612, NUR 623, NUR 627, and NUR 631.

Components: LEC.

Grading: GRD.

Typically Offered: Summer.

NUR 650. Interdisciplinary Anesthesia Nursing III. 11 Credit Hours.

This course involves the clinical integration and synthesis of advanced knowledge and skills of interdisciplinary anesthesia nursing care for complex problems and conditions across the lifespan. Students assume responsibility for culturally competent and interdisciplinary anesthesia care with minimal guidance.

Prerequisites: NUR 601, NUR 611, NUR 612, NUR 613, NUR 614, NUR 617, NUR 619, NUR 620, NUR 645 and NUR 646.

Components: LEC.

Grading: GRD.

Typically Offered: Spring.

NUR 651. Qualitative Data Analysis. 3 Credit Hours.

The course is designed to help the student develop skills and understanding relating to the advanced analysis of qualitative data. The course assumes all students will either be in or nearing the analysis stages in their research. Focus is on preparation and management of text and media data for analyses; the creation and application of various types of coding to data; the distinctions in coding data evolving from different qualitative approaches; and analysis of longitudinal qualitative data. Permission required.

Components: LEC.

Grading: GRD.

Typically Offered: Fall.

NUR 652. Introduction to Clinical Inquiry I. 3 Credit Hours.

Combines clinical knowledge and hands-on clinical experience in an area of the student's potential research interest. Students will practice under the supervision of an advanced practice nurse in the specialty area. Students are expected to begin the process of identifying clinical research problems. Requisite: Admission to PhD in Nursing Program.

Components: LEC.

Grading: GRD.

Typically Offered: Summer.

NUR 653. Introduction to Clinical Inquiry II. 5 Credit Hours.

Combines clinical knowledge and hands-on clinical experience in an area of the student's potential research interest. Students will practice under the supervision of an advanced practice nurse in a specialty area. There will be a focus on health care delivery systems. Students are expected to translate clinical problems into researchable questions.

Prerequisite: NUR 674 Or NUR 669.

Components: LEC.

Grading: GRD.

Typically Offered: Summer.

NUR 654. The Evolution of Nursing Practice and Application of Theory in Nursing Practice. 3 Credit Hours.

The course provides an exploration of the philosophical, historical, and contemporary foundations of nursing and interdisciplinary theory. The course provides a comprehensive examination of the evolution of nursing knowledge and emphasizes the role of theory application in evidence-based clinical practice, leadership, and healthcare systems. Students will analyze existing theories, models, and frameworks, exploring their relevance in guiding advanced nursing practice.

Admission to DNP program or permission of faculty.

Components: LEC.

Grading: GRD.

Typically Offered: Fall, Spring, & Summer.

NUR 655. Health Care Management, Economics, Financing, and Ethics. 3 Credit Hours.

This course is an overview of health care management, financing, ethics and advanced concepts of health care economics with comprehensive analysis of the internal and external factors impacting healthcare costs and reimbursement. Students will examine the allocation of resources in the healthcare sector and the application of ethical principles.

Admission to DNP program or permission of faculty.

Components: LEC.

Grading: GRD.

Typically Offered: Fall, Spring, & Summer.

NUR 656. Global Health. 3 Credit Hours.

This course explores multifaceted issues that impact global health and nursing practice worldwide.

Admission to DNP program or permission of faculty.

Components: LEC.

Grading: GRD.

Typically Offered: Fall, Spring, & Summer.

NUR 657. Population Based Health and Health Care Disparities. 3 Credit Hours.

This course analyzes the multifaceted factors related to population-based health care. The emphasis is on health disparities, cultural and ethical considerations, and their impact on the health of individuals, aggregates, and communities.

Prerequisites: Admission to the DNP program or permission of the faculty NUR 663 and NUR 664.

Components: LEC.

Grading: GRD.

Typically Offered: Fall, Spring, & Summer.

NUR 658. Health Policy Development and Implementation. 3 Credit Hours.

An exploration of the leadership role of DNP prepared nurses in health policy development, implementation and advocacy are the primary foci of this course. An overview of issues in health care policy, such as socio-political and economic factors that influence health care, will be examined. Policy development and implementation at the local, state, national, and global levels will be explored. Students will examine health care policies that address issues of social justice and equity in health care.

Admission to DNP program or permission of faculty.

Components: LEC.

Grading: GRD.

Typically Offered: Fall, Spring, & Summer.

NUR 659. Technology in Health Care. 3 Credit Hours.

This course involves an exploration of the various aspects of evolving technology to improve and transform health care and nursing practice. This course prepares DNP nursing students to appraise and leverage technology to support, manage, and improve patient care and health care systems.

Admission to DNP program or permission of faculty.

Components: LEC.

Grading: GRD.

Typically Offered: Fall, Spring, & Summer.

NUR 660. Translational Science. 3 Credit Hours.

This course prepares learners to lead the translation of evidence into practice. The course introduces change theories, barriers to translation, translational frameworks and the science of translating evidence into practice at a health systems level.

Prerequisites: NUR 654 and NUR 663 and NUR 664.

Components: LEC.

Grading: GRD.

Typically Offered: Fall, Spring, & Summer.

NUR 662. Nursing Epistemology. 3 Credit Hours.

Focus on historical and philosophical perspectives in the development of knowledge and patterns of knowing with in-depth examination of the evolution of nursing science. Analysis of concepts relevant to nursing phenomena. Approaches to scientific development in nursing with emphasis on theory building and theory generation.

Requisite: Must Be A Nursing PhD Student Or Permission of Instructor.

Components: LEC.

Grading: GRD.

Typically Offered: Fall.

NUR 663. Research. 3 Credit Hours.

This course is an analysis of evidence-based nursing practice. During the course, students acquire the knowledge base to identify and resolve clinical practice problems and lead evidence-based practice. Students will obtain, synthesize and appraise research and high-level evidence to inform practice changes.

Admission to DNP program or permission of faculty.

Components: LEC.

Grading: GRD.

Typically Offered: Fall, Spring, & Summer.

NUR 664. Applied Biostatistics for Nursing Practice. 3 Credit Hours.

This course introduces foundational concepts in biostatistics. Various research methodologies and data collection procedures are analyzed. The meaning of specific biostatistical tests, how to detect patterns in data, and how to judge the validity and reliability of the data are explored. Students will generate research questions and apply biostatistics to answer clinical questions.

Admission to DNP program or permission of faculty.

Components: LEC.

Grading: GRD.

Typically Offered: Fall, Spring, & Summer.

NUR 665. Quantitative Methods for Nursing Research. 3 Credit Hours.

In-depth exploration of research methods and design for quantitative research in nursing. Emphasis on development of a research problem; quantitative research design from descriptive to randomized clinical trials; epidemiologic designs; threats to validity; sampling and power analysis; measurement including psychometric theory, data collection and management; and interpretation of data. Other topics include ethics, human subjects' protection, and translation of findings into practice.

Requisite: Must Be A Nursing PhD Student Or Permission of Instructor.

Components: LEC.

Grading: GRD.

Typically Offered: Fall.

NUR 667. Research Practicum. 1 Credit Hour.

Student participates in an ongoing research project under the guidance of a faculty member. Conducts the practical aspects of research including: IRB application/continuing reports, data collection and management.

Prerequisite: NUR 665 and NUR 670.

Components: LEC.

Grading: GRD.

Typically Offered: Fall.

NUR 669. Symptom Science in Nursing. 3 Credit Hours.

This course will provide the student with knowledge of symptom science in nursing, including biological, behavioral, environmental, socio-cultural, and clinical factors that may influence the trajectory of chronic illness. The course will also focus on theories and research designs to define and measure symptom experiences in health and illness for individuals and families.

Prerequisite: NUR 662 and NUR 665 and NUR 670.

Components: LEC.

Grading: GRD.

Typically Offered: Spring.

NUR 670. Qualitative Methods for Nursing Research. 3 Credit Hours.

Exploration of inductive approaches to research and the use of qualitative methods including grounded theory, ethnography, focus group, and phenomenology. The techniques include unstructured and structured interviews. Discussion of techniques, analysis, and the ethical and political implications of special problems in qualitative research.

Requisite: Must Be A Nursing PhD Student Or Permission of Instructor.

Components: LEC.

Grading: GRD.

Typically Offered: Fall.

NUR 672. DNP Scholarly Project Seminar I. 3 Credit Hours.

This course provides an opportunity for the student to demonstrate synthesis of advanced knowledge and skills through the development of a scholarly project that focuses on translating evidence into practice to improve healthcare systems. Students will develop an evidence-based practice change project proposal under the direction of a faculty advisor and a collaborative clinical partner.

Prerequisite: BSN-DNP Anesthesia - NUR 676 and NUR 688 and NUR 689 MSN - DNP - NUR 676 (1-Year & 1-Year Plus) or NUR 676 and NUR 688 (2-Year).

Components: LEC.

Grading: GRD.

Typically Offered: Fall, Spring, & Summer.

NUR 673. DNP Scholarly Project Seminar II. 3 Credit Hours.

This course includes the implementation, evaluation, and dissemination of the previously approved scholarly project. This course focuses on the analysis of outcomes data and implications for sustaining practice change.

Prerequisite: NUR 672 DNP Scholarly Project Seminar I.

Components: LEC.

Grading: GRD.

Typically Offered: Fall, Spring, & Summer.

NUR 674. Applied Intermediate Statistics: Generalized Linear Models. 4 Credit Hours.

Overview of General Linear Models which combine many aspects of ANOVA and multiple regression models for continuous and categorical independent and dependent variables, multiple independent variables, and repeated measures of dependent variables. Computer applications using real data and statistical software packages (e.g., SPSS) will be utilized.

Requisite: Must Be A Nursing PhD Student Or Permission of Instructor.

Components: LEC.

Grading: GRD.

Typically Offered: Spring.

NUR 676. Practice Immersion I: Quality Improvement and Patient Safety. 4-12 Credit Hours.

This course contains individually precepted learning experiences across the spectrum of nursing in a variety of healthcare settings. Students develop expertise within the scope of their advanced nursing practice. This course introduces advanced concepts and practices in quality improvement and patient safety. Learners will explore frameworks and tools necessary to lead initiatives that enhance healthcare outcomes. Learners will evaluate systems using data or evidence to demonstrate the need for a practice improvement initiative. The course emphasizes the integration of national patient safety standards for improving system performance.

Admission to DNP program or permission of faculty.

Components: LEC.

Grading: GRD.

Typically Offered: Fall, Spring, & Summer.

NUR 679. Applied Advanced Statistics: Structural Equation Modeling. 3 Credit Hours.

Overview of structural equation modeling (SEM) for continuous, categorical, and longitudinal data. Computer applications using real data and statistical software packages (e.g., Excel, SPSS, Mplus)

Prerequisite: NUR 674 And Requisite: Must be a Nursing PhD Student or Permission of Instructor.

Components: LEC.

Grading: GRD.

Typically Offered: Fall.

NUR 680. Research Ethics. 2 Credit Hours.

This course addresses the ethical and responsible conduct of research and protection of human subjects with a particular emphasis on conducting ethical research with vulnerable populations. This course meets the UM requirement for advanced face-to-face education in Responsible Conduct of Research

Requisite: Admission to PhD program or permission of the instructor. Completion of the UM-required online Responsible Conduct of Research course is a pre or co-requisite of this course. Must Be A Nursing PhD Student Or Permission of Instructor.

Components: LEC.

Grading: GRD.

Typically Offered: Spring.

NUR 681. Measurement in Health Disparities Research. 3 Credit Hours.

Application of measurement theory to develop, adapt and analyze psychometric properties of physiologic and psychosocial measures within health disparities research.

Requisite: Admission to the PhD in Nursing Science program or permission of the instructor, NUR 665 (or similar course for students outside of the PhD in Nursing Science program).

Components: LEC.

Grading: GRD.

Typically Offered: Fall.

NUR 682. Advanced Practice Psychopharmacology. 2 Credit Hours.

This course explores the integration of nursing science with interdisciplinary approaches to enhance clinical decision-making and personalized patient care. Students will critically evaluate the distinctions between nursing and other scientific disciplines in the development of comprehensive treatment plans. Emphasis is placed on the application of genetic, genomic, pharmacogenetic, and environmental exposure data to inform individualized healthcare strategies. Students will apply scientific evidence to diagnosis and treatment planning across the lifespan, implement risk mitigation protocols grounded in evidence-based practice, and engage in collaborative consultation with healthcare team members to optimize patient outcomes. This course prepares students to lead in the delivery of precision health in diverse clinical settings.

Prerequisite: Graduate standing, permission of instructor Co-requisite: NUR 684.

Components: LEC.

Grading: GRD.

Typically Offered: Spring.

NUR 683. Theoretical Bases for Advanced Practice Psychiatric Mental Health Nursing. 2 Credit Hours.

This course focuses on the development and implementation of age-appropriate, evidence-based treatment plans for individuals with psychiatric disorders. Students will integrate nursing theory, psychotherapeutic modalities, and biopsychosocial frameworks to deliver holistic, person-centered care. Emphasis is placed on building therapeutic relationships, applying counseling and motivational interviewing techniques, and fostering interdisciplinary collaboration. The course also highlights the value of shared consultation and the articulation of nursing's unique professional identity within interprofessional teams to promote comprehensive, patient-centered mental health care.

Prerequisite: NUR 684.

Components: LEC.

Grading: GRD.

Typically Offered: Fall.

NUR 684. Advanced Practice Psychiatric Mental Health Nursing Therapeutic Interventions. 5 Credit Hours.

This course prepares students for advanced practice in psychiatric-mental health nursing by integrating evidence-based clinical decision-making, ethical reasoning, and culturally responsive care. Emphasis is placed on the development of individualized care plans, understanding mental health disparities, navigating health policy and payment systems, and responding to population needs in emergencies. Students will examine legal and ethical considerations in digital health, enhance therapeutic communication, and engage in interprofessional collaboration. The course also fosters leadership in promoting diversity, inclusion, professional identity, and self-care within psychiatric-mental health practice.

Prerequisite: Admission to the Post-Master's Certificate in Psychiatric Mental Health NP program. Co-requisite: NUR 682.

Components: LEC.

Grading: GRD.

Typically Offered: Spring.

NUR 685. Advanced Practice Psychiatric Mental Health Nursing Preceptorship. 4 Credit Hours.

This course emphasizes the application of ethical principles, evidence-based guidelines, and holistic approaches in the development of person-centered psychiatric care across diverse systems. Students will explore strategies for professional growth, integrate diversity, equity, and inclusion in clinical settings, and leverage health information technology to enhance practice. The course fosters interprofessional collaboration, supports advocacy for health equity, and encourages system-level improvements to promote quality outcomes in psychiatric-mental health nursing.

Prerequisites: NUR 682 and NUR 684. Co-requisite: NUR 683.

Components: LEC.

Grading: GRD.

Typically Offered: Summer.

NUR 686. Advanced Practice Psychiatric Mental Health Nursing Preceptorship II. 5 Credit Hours.

This course prepares students to make evidence-based, ethically grounded clinical decisions in psychiatric-mental health nursing practice. Emphasis is placed on conducting comprehensive psychiatric assessments across the lifespan, utilizing diagnostic tools, and applying quality improvement principles to enhance care outcomes. Students will explore the integration of information and communication technologies, evaluate emerging innovations in mental health care, and develop strategies for sustaining personal well-being in advanced practice roles.

Prerequisite: NUR 682, NUR 683, NUR 684, and NUR 685.

Components: LEC.

Grading: GRD.

Typically Offered: Fall.

NUR 688. Practice Immersion II: Personal, Professional and Leadership Development. 2 Credit Hours.

This course contains individually precepted learning experiences across the spectrum of nursing in a variety of healthcare settings. This course addresses advanced concepts and strategies foundational to personal, professional, and leadership development. Learners will recognize signs of burnout, fatigue, and emotional distress as well as develop coping and self-care strategies to handle stress and promote well-being. Learners will understand the importance of demonstrating a spirit of inquiry that fosters flexibility and professional maturity. Learners will develop capacity for leadership by applying leadership principles and theories in the context of quality improvement, exhibiting teamwork, and advocating to reduce structural racism and systematic inequities through coordinated clinical partnerships.

Admission to DNP program or permission of faculty.

Components: LEC.

Grading: GRD.

Typically Offered: Fall, Spring, & Summer.

NUR 689. New Method of Implementation-Practice Immersion Experience III. 2 Credit Hours.

This course contains individually precepted learning experiences across the spectrum of nursing in a variety of settings. Students develop expertise within the scope of their nursing practice.

Prerequisites: NUR 676, NUR 688.

Components: LEC.

Grading: GRD.

Typically Offered: Fall.

NUR 690. Independent Study. 1-6 Credit Hours.

A in depth study of a specified area in advanced nursing of special interest to the student, under faculty guidance.

Components: LEC.

Grading: GRD.

Typically Offered: Fall & Spring.

NUR 694. Clinical Practicum for DNP Nurse Anesthesia Clinical. 8 Credit Hours.

This course involves the clinical integration and synthesis of advanced knowledge and skills of interdisciplinary anesthesia nursing care for complex problems and conditions across the lifespan. Students assume responsibility for culturally competent and interdisciplinary anesthesia care with minimal guidance.

Prerequisites: NUR 601, NUR 611, NUR 612, NUR 613, NUR 614, NUR 617, NUR 618, NUR 619, NUR 620, NUR 645, NUR 646 and NUR 650.

Components: LEC.

Grading: GRD.

Typically Offered: Summer.

NUR 695. Clinical Practicum for DNP Nurse Anesthesia. 10 Credit Hours.

This course involves the clinical integration and synthesis of advanced knowledge and skills of interdisciplinary anesthesia nursing care for complex problems and conditions across the lifespan. Students assume responsibility and deliver culturally competent, evidence-based anesthesia care consistent with entry level of practice. Students collaborate as a member of the interdisciplinary, perianesthesia team.

Prerequisites: NUR 601, NUR 611, NUR 612, NUR 613, NUR 614, NUR 617, NUR 618, NUR 619, NUR 620, NUR 645, NUR 646, NUR 650 and NUR 694.

Components: PRA.

Grading: GRD.

Typically Offered: Fall.

NUR 696. Crafting the Dissertation Proposal Part I. 1 Credit Hour.

This course is designed to be conducted in alignment with a Pre-Candidacy Dissertation Credit (NUR 830) supervised by the student's dissertation chair. In concert with NUR 830, the course will help students: select a type of dissertation proposal (traditional/non-traditional); formalize ideas for their dissertation; learn how to pursue funding for their dissertation research; and write the first few chapters of the dissertation proposal.

Requisite: Must be Nursing PhD Student or Permission of Instructor. Prerequisite: NUR 670, NUR 665.

Components: LEC.

Grading: GRD.

Typically Offered: Fall.

NUR 697. Selected Topics. 0-12 Credit Hours.

Subject matter offerings based upon student demand and availability of faculty. Subtitles describing topics will be shown in class schedule in parentheses after selected topic notation.

Components: LEC.

Grading: GRD.

Typically Offered: Offered by Announcement Only.

NUR 698. Selected Topics. 0-6 Credit Hours.

Subject matter offerings based upon student demand and availability Of faculty. Subtitles describing topics will be shown in class schedule in parentheses after selected topic notation.

Components: LEC.

Grading: GRD.

Typically Offered: Offered by Announcement Only.

NUR 700. Post Master Clinical. 0-12 Credit Hours.

Post Master Clinical

Components: LEC.

Grading: GRD.

Typically Offered: Fall, Spring, & Summer.

NUR 701. Clinical Continuation. 0-6 Credit Hours.

Clinical Continuation

Components: LEC.

Grading: GRD.

Typically Offered: Fall, Spring, & Summer.

NUR 702. Adult Gerontology III. 7 Credit Hours.

Integration of the components of the Advanced Practice Nursing role to analyze adult gerontology advanced practice issues.

Prerequisite: NUR 631.

Components: LEC.

Grading: GRD.

Typically Offered: Summer.

NUR 707. Becoming a Successful Nurse Scientist. 1 Credit Hour.

This course builds skills for academic and career success as a nurse scientist. The course provides a forum for discussing current issues that have implications for research careers and professional development including participation and leadership in interdisciplinary teams.

Requisite: Admission to PhD in Nursing Program.

Components: LEC.

Grading: GRD.

Typically Offered: Spring.

NUR 708. Scholarship in Nursing. 1 Credit Hour.

In this course, students will individually with a faculty member to develop the study's scholarship. Faculty and students will identify student strengths and weaknesses and create a specific plan for improvement. The goal of this course is to produce a student first author manuscript for submission to a peer-reviewed scientific journal, and an abstract for submission to a scientific conference.

Prerequisite: NUR 674 and NUR 680 and NUR 669.

Components: LEC.

Grading: GRD.

Typically Offered: Summer.

NUR 709. Selected Topics for Nursing Science and Health Equity Research. 2 Credit Hours.

This course, involves a critical analysis of emerging issues in nursing research and health equity, including priority research areas of the National Institute of Nursing Research (NINR) and the focal research areas of the School of Nursing and Health Studies.

Prerequisite: Admission to the PhD in Nursing Science program or permission of the instructor.

Components: LEC.

Grading: GRD.

Typically Offered: Fall.

NUR 710. Biopsychosocial Mechanisms of Health and Health Disparities. 3 Credit Hours.

This course will focus on biopsychosocial mechanisms of health and health disparities. The course will explore study frameworks and the operationalization of variables that allow for assessing bio, psycho, and social variables in relation to health and health disparities outcomes.

Prerequisite: NUR 662 and NUR 665 and NUR 670.

Components: LEC.

Grading: GRD.

Typically Offered: Spring.

NUR 711. Equitable Implementation Science. 3 Credit Hours.

This is an advanced course which will provide an in-depth exploration of the field of implementation science within a broader framework of equity. Key considerations this course will explore include: What implementation determinants drive healthcare inequities, and in what contexts? How can implementation strategies be tailored to address healthcare inequities and achieve healthcare equity? How can quantitative, qualitative, and mixed methods research advance equitable implementation science research? What are implementation and hybrid effectiveness-implementation trials and how can they contribute to the field of equitable implementation science? Students who successfully complete this course will acquire advanced knowledge in both implementation science in general and equitable implementation science in particular.

Prerequisite: NUR 662 and NUR 665 and NUR 670.

Components: LEC.

Grading: GRD.

Typically Offered: Spring.

NUR 712. Health Disparity and Health Equity Frameworks. 3 Credit Hours.

This course will: 1) introduce theoretical models that provide a framework for health disparity and healthy equity research; 2) examine how these models and frameworks are applied for the purposes of understanding social and other determinants of health, and intervening to address health disparities and equity; 3) familiarize students with the inter-relationships between theory and research in nursing research and how these should inform each other to advance health equity.

Prerequisite: Admission to the PhD in Nursing Science program or permission of the instructor.

Components: LEC.

Grading: GRD.

Typically Offered: Fall.

NUR 713. Intervention Development and Clinical Trials. 3 Credit Hours.

The focus of this course is on (1) the basic principles and design of clinical trials, and (2) developing, adapting, and evaluating preventive interventions. Further, ethics in the execution of clinical trials and development of interventions, including considerations for equitable research with underserved populations will also be covered. The early classes in this course will focus on the clinical trials portion and later classes will emphasize intervention development.

Prerequisite: Admission to the PhD in Nursing Science program or permission of the instructor.

Components: LEC.

Grading: GRD.

Typically Offered: Fall.

NUR 714. PATHOBIOLOGY OF NEOPLASIA IN ADVANCED ONCOLOGY NURSING PRACTICE. 6 Credit Hours.

Emphasizes concepts of normal cellular differentiation and abnormal cytologic changes in pathogenesis of neoplasia. Discusses the role of genetics, the immune system, and lifestyle choices in oncogenesis, and epidemiology, pathology, and treatment of cancer types. Applies theoretical and conceptual knowledge to individuals with cancer in the clinical setting.

Components: LEC.

Grading: GRD.

Typically Offered: Fall.

NUR 715. ONCOLOGY TREATMENT AND SYMPTOM MANAGEMENT. 6 Credit Hours.

This course provides specialized advanced practice oncology nursing content with a focus on advanced nursing management of physical, psychological, and social problems resulting from cancer and its treatment.

Components: LEC.

Grading: GRD.

Typically Offered: Spring.

NUR 716. CARING FOR INDIVIDUALS ACROSS THE CANCER CONTINUUM. 6 Credit Hours.

This course provides specialized oncology nursing content with a focus on prevention, early detection, active treatment, survivorship, and end of life issues.

Components: LEC.

Grading: GRD.

Typically Offered: Summer.

NUR 796. Crafting the Dissertation Part 2. 1 Credit Hour.

This course is designed to be conducted in alignment with a Pre-Candidacy Dissertation Credit (NUR 830) supervised by the student's dissertation chair. In concert with NUR 830, this course will help students: learn how to pursue funding for their dissertation research; and write the third (methods) chapter of their dissertation proposal.

Prerequisite: NUR 696 and Requisite: Must be a Nursing PHD Student.

Components: LEC.

Grading: GRD.

Typically Offered: Spring.

NUR 830. Pre-Candidacy Dissertation. 1-6 Credit Hours.

Required of all Ph.D. students who have entered the program. The course will be given in 3, 1-credit semesters. Students will be assigned an advisor upon admission to the program. This is a guided experience led by the student's advisor and provided mentorship.

Requisite: Admission to PhD in Nursing Program.

Components: THI.

Grading: SUS.

Typically Offered: Fall, Spring, & Summer.

NUR 840. Post-Candidacy Doctoral Dissertation. 1-12 Credit Hours.

Required of all Ph.D. students who have advanced to candidacy. Students will be assigned an advisor upon admission to the program. This is a guided experience led by the student's advisor and provided mentorship. The student will enroll for credit as determined by their advisor. Not more than 12 credits may be taken in a regular semester, nor more than six credits in a summer session. May be regarded as full-time residence. Under the guidance of the advisor students will construct and present a fully completed dissertation study.

Requisite: Admission to PhD in Nursing Program.

Components: THI.

Grading: SUS.

Typically Offered: Fall, Spring, & Summer.

NUR 850. Research in Residence. 1-3 Credit Hours.

Used to establish research in residence for the Ph.D., after the student has been enrolled for the permissible cumulative total in appropriate doctoral research. Credit not granted. May be regarded as full-time residence as determined by the Dean of the Graduate School.

Components: THI.

Grading: SUS.

Typically Offered: Fall & Spring.