Doctor of Philosophy

The purpose of the Ph.D. program is to prepare nurse scholars/scientists for roles in research, teaching, and service. The program prepares graduates who will contribute to the body of nursing knowledge, educate the next generation, and assume collaborative leadership roles in shaping health policy, improving health, and reducing disparity.

The goals of the program are to prepare graduates who will:

1. Rigorously test, generate, and extend knowledge to inform nursing science, practice, and policy.
2. Contribute to the development of knowledge and interventions to address health disparity and promote or improve health.
3. Assume collaborative leadership roles in academia, health organizations, research teams, and scholarly networks.
4. Demonstrate expertise within an area of study that incorporates nursing and trans disciplinary perspectives.

Visit the School of Nursing website at http://www.hsc.wvu.edu/son. Call the WVU school of Nursing Office of Student Services at 1-866-WVUNURS or (304) 293-1386. Write to WVU School of Nursing at PO Box 9600, Morgantown, WV 26506-9600

Admission Criteria

1. Transcript of a nursing degree at the baccalaureate level or higher from a nationally accredited nursing program or equivalent.
2. Evidence of current license to practice nursing in the United States or home country.
3. Transcript of master’s coursework from an accredited program.
4. A grade of B or higher in graduate-level statistics and research courses.
5. Cumulative GPA of 3.0 in master’s degree work.
6. Competitive achievement on the GRE within the past five years:
   • For GRE scores earned prior to August 2011: a minimum score of 400 each on the verbal and quantitative sections, a total of the two section scores of at least 1000, and an analytical writing score of 4.0.
   • For GRE scores earned after August 2011: a minimum score of 150 on the verbal section, a minimum score of 142 on the quantitative section, a total of the two section scores of at least 300, and an analytical writing score of 4.0.
7. Examples of scholarly work. This can be a paper from master’s work, a submitted article, or some other professional writing.
8. Interview to determine congruence between the applicant’s career goals and program objectives and between the applicant’s research interests and those of the faculty.

Note: Admission criteria are subject to change. Please see the School of Nursing website for the most up-to-date criteria at http://www.hsc.wvu.edu/son.

Application Process

The application process is on a rolling basis. The beginning sequence of courses in the PhD in nursing program starts in the summer semester only. Class size and progression plans may be limited based on available faculty resources and space. Applicants to the PhD in nursing program need to complete the following steps in order to be considered for admission:

1. Complete two application forms as indicated below and return to the appropriate offices by the deadline
   • Application for Admission to Graduate Studies (available at: http://apply.wvu.edu/)
   • Supplemental Application of Admission to PhD in the School of Nursing and PhD application checklist (available at http://hsc.wvu.edu/son ).
     Students should be certain that all materials are sent to the following:
     WVU School of Nursing, Student Services Office
     P.O. Box 9600
     Morgantown, WV 26506-9600

2. Request an official transcript of records from each college or university attended. Transcripts and records should be sent directly to the following:
   WVU Health Science Center Office of Admissions
   P.O. Box 9815
   Morgantown, WV 26506-981

3. Send three letters of recommendation directly to the following:
   WVU School of Nursing Student Services Office
   P.O. Box 9600
   Morgantown, WV 26506-9600
Letters should address the applicant’s expertise in nursing, skills in research and scholarly writing, and likelihood for success in doctoral work. One letter should be from a former professor of the applicant.

4. Submit a current curriculum vitae.

5. Submit one scholarly essay, describing the applicant’s research interests and career goals.

Degree Requirements

The Ph.D. program is offered part-time in a combined in-person and distance learning format. In-person components are offered during the summer where students are required to attend class two days a week for six weeks and then complete the courses online during the remainder of the summer. Five to six credits of coursework must be taken for 3 summers in addition to regular semester online courses prior to dissertation. Students must also successfully complete a qualifying examination, participate in a monthly virtual journal club (during Fall and Spring semesters only) and attend two in-person scholarly events (2 days each Fall and Spring) throughout the program.

Three curricular components comprise the fifty-four credits of post-master’s coursework. These are core, cognate/electives, and research.

Curriculum Requirements

Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>NSG 704</td>
<td>Health Care Leadership</td>
<td>3</td>
</tr>
<tr>
<td>NSG 727</td>
<td>Contemporary Nursing Science</td>
<td>2</td>
</tr>
<tr>
<td>NSG 728</td>
<td>Theoretical Basis of Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NSG 732</td>
<td>Seminar in Nursing Scholarship</td>
<td>2</td>
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<tr>
<td>NSG 735</td>
<td>Principles: Nursing Education</td>
<td>3</td>
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<tr>
<td>NSG 736</td>
<td>Advanced Health Policy/Ethics</td>
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Cognate/Electives

2 - 3 credit courses. One course must be an advanced methodology course and at least one of the two courses must be taken outside the School of Nursing

Research

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>NSG 724</td>
<td>Health Research Statistics 1</td>
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<tr>
<td>NSG 725</td>
<td>Health Research Statistics 2</td>
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<td>NSG 729</td>
<td>Quantitative Research Methods</td>
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</tr>
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<td>NSG 731</td>
<td>Qualitative Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>NSG 733</td>
<td>Research Grant Development</td>
<td>2</td>
</tr>
<tr>
<td>NSG 734</td>
<td>Use of Data</td>
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Three semesters of:

- NSG 781 Research Mentorship
- NSG 783 Dissertation Seminar
- NSG 795 Independent Study
- NSG 797 Research

Total Hours: 46-60

Academic Progression Standards

- Nursing course are taken in the sequence specified in the School of Nursing PhD Progression Plan. All prerequisites from preceding semesters must be completed prior to registration for new courses.
- Students must maintain a 3.0 GPA to progress in the program and must achieve an overall academic GPA of 3.0 in all coursework to be applied toward the PhD degree.
- Students may carry forward one C grade in any course to be applied toward the PhD degree. A second C will result in dismissal from the program.
- Students with a grade of D or F in any course will be dismissed from the program.
- The grade of “I” is given when the instructor believes that the coursework is unavoidably incomplete or that a supplementary examination is justifiable. Resolution of the grade of “I” will occur in the semester following its issuance and before any graduate degree can be awarded. If the “I” grade is not removed within the following semester, the grade of “I” is treated and “F” (failure). When an “I” grade is replaced, the grade point average is recalculated on the basis of the new grade.
# Suggested Plan of Study

## First Year

<table>
<thead>
<tr>
<th></th>
<th>Fall Hours</th>
<th>Spring Hours</th>
<th>Summer Hours</th>
<th>Hours</th>
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<td>NSG 704</td>
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## Second Year

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<td>NSG 727</td>
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<td>Cognate</td>
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<td><strong>6</strong></td>
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## Third Year

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<th>Summer Hours</th>
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<td>NSG 783</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>NSG 781</td>
<td>1-3</td>
<td>Cognate (if not already complete)</td>
<td>NSG 734</td>
<td>3</td>
</tr>
<tr>
<td>NSG 795</td>
<td>1-9</td>
<td>NSG 797</td>
<td>1-9</td>
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<td><strong>5-15</strong></td>
<td><strong>2-10</strong></td>
<td><strong>6-8</strong></td>
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Total credit hours: 46-68

Students are required to be on campus for the six-week Summer sessions, once in the Fall for two days, and once in the Spring for two days. During residency, students are provided with an opportunity to participate with nurse researchers and peers in the ongoing development of a scholarly community.

## COURSES

### NSG 001. Nursing Experiential Learning. 50-75 Hours.

Students will not register for this course but it will show on their official transcript. Grade will be listed as CR.

### NSG 100. Introduction to Nursing. 2 Hours.

Introduction to the role of the nurse in modern health care: critical thinking, nursing interventions, professionalism, caring and communication in nursing practice with emphasis on safety, quality, health, culture, ethics, leadership, and health policy.

### NSG 211. Health Assessment/Communication. 6 Hours.

PR: NSG 100. Examination of concepts, principles, and models that guide nursing practice related to physical, psychosocial, spiritual, developmental, cultural, intellectual assessment and communication across the lifespan in the classroom, simulation, and various clinical settings.

### NSG 212. Foundations-Nursing Practice. 6 Hours.

PR: NSG 211. Theories, concepts, principles, and processes that lay the foundation for critical thinking, nursing interventions, communication, professional role and caring in the practice of nursing. Application of the nursing process in classroom, simulation, and clinical experiences.

### NSG 276. Intro-Evidence Based Prac/Rsrch. 3 Hours.

PR: NSG 211 and (STAT 201 or STAT 211). Theory, concepts, and methods of the research process intended to provide a basic understanding that is necessary for the translation of current evidence into nursing practice.

### NSG 293A-Z. Special Topics. 1-6 Hours.

PR: Consent. Investigation of topics not covered in regularly scheduled courses.

### NSG 310. Women’s Health Across Lifespan. 4 Hours.

PR: NSG 212 and PR or CONC: NSG 311 and NSG 376. Human response to normal and abnormal changes in health status across the female lifespan and adaptations of the childbearing family. Provision of the holistic nursing care to women and childbearing families in the clinical area.

### NSG 311. Alterations in Adult Health 1. 6 Hours.

PR: NSG 212 and PR or CONC: NSG 376. Pathophysiology and holistic nursing care of adults experiencing acute and chronic problems. Use of the nursing process to plan and provide interventions appropriate to health care needs in the clinical setting.

### NSG 312. Alterations in Adult Health 2. 6 Hours.

PR: NSG 311. Builds on NSG 311 using critical thinking and nursing process in a team based learning format, paired with clinical application, to explore holistic nursing care of adults with acute and chronic health problems.

### NSG 320. Child and Adolescent Health. 4 Hours.

PR: NSG 311 and NSG 376. Didactic and clinical experiences focused on human response to alterations in health, developmental needs, and family-centered care specific to pediatric population with emphasis on the professional nursing role, evidence-based reasoning, therapeutic communications, and caring.
NSG 333. Ethics in Nursing. 3 Hours.
PR: ENGL 102; RN licensure. Ethical issues and decision making in nursing and health care situations across the lifespan. Emphasizes professional writing skills.

NSG 340. Professional Role Transition. 3 Hours.
PR: RN licensure. The course focuses on concepts and principles of professional nursing inherent in the curriculum of the School of Nursing. Emphasis is placed on how these concepts and principles affect nursing role.

NSG 360. Ethics and Health Policy. 3 Hours.
PR: NSG 311 and ENGL 102. Ethical decision-making in health care situations across the lifespan, including palliative and end of life care. Health care policy, legal and regulatory issues are discussed.

NSG 361. Health Assessment. 3 Hours.
PR: NSG 225 or consent. Comprehensive, in-depth assessment of the client’s health status, health patterns, physical examination and health history. Interviewing techniques including taped interactions and accurate recording of data for clients across the life span.

NSG 362. Clinical Health Promotion. 3 Hours.
PR or CONC: NSG 361. Theory and practice of promoting health and wellness for individuals and families across the lifespan. Emphasis will be placed on integrating knowledge and behaviors that support movement toward optimal health.

NSG 371. Basic Parish Nurse Education. 3 Hours.
Explores the nurse’s role in managing care within faith communities. Focus is on dimensions of nurse’s role: spiritual caregiver, health promoter, counselor, advocate, educator, care coordinator, resource agent and manager of developing practice.

NSG 372. Safety/Quality/Informatics. 2 Hours.

NSG 373. Leadership in Organizations. 3 Hours.
PR: NSG 333. Leadership and management principles related to professional nursing roles in organizations and systems including system theory, change theory, and inter-professional team building.

NSG 376. Clinical Nursing Pharmacology. 3 Hours.
PR: NSG 212 and PR or CONC NSG 311. Principles of pharmacology emphasizing scholarly inquiry and evidence-based reasoning to insure accurate knowledge of and administration of medications to individuals and families across the lifespan. Pharmacological management is analyzed in conjunction with pathophysiology.

NSG 393A-Z. Special Topics. 1-6 Hours.
PR: Consent. Investigation of topics not covered in regularly scheduled courses.

NSG 400. Spirituality and Health. 3 Hours.
In this course, students will examine the mind/body/spirit connection that occurs in the process of healing and wellness. Theories and practices of relationships between mind/body/spirit will be examined as they impact health/wellness of patients.

NSG 411. Complex Community Systems-CAP. 7 Hours.
PR: NSG 276 and NSG 310 and NSG 312 and NSG 320 and NSG 360. Comprehensive theoretical introduction to community health nursing paired with clinical experience found on promoting health and preventing disease in multiple populations. Culminates in a capstone project that addresses an identified community health need.

NSG 412. Leadership in Complex Systems. 7 Hours.
PR: NSG 312 and NSG 360 and NSG 450. Development of leadership and management skills necessary for professional nursing practice and interventions supporting multiple patients in acute-care complex systems. Classroom experiences paired with 225 hours of precepted leadership experience.

NSG 433. Sem 8:Prof Role Synthesis. 3 Hours.
PR: NSG 343. Emphasis on implementation of the professional nursing role within a changing health care system. Focuses on analysis of societal, institutional and economic factors that affect the delivery of health care.

NSG 434. Evidence-Based Practice. 4 Hours.
PR: NSG 476 and CoReq: NSG 433. Focus is on evidence based practice in nursing, through analysis of clinical questions, appraisal of evidence for clinical decision making strategies to apply evidence, and exploring creation of a culture for evidence based practice.

NSG 441. Concepts:Community. 3 Hours.
PR: Senior standing in nursing or consent and Co Req: NSG 445. Community health nursing processes with emphasis on the professional nursing role in the assessment of community health needs and identification of health action potential.

NSG 443. Sem 6:Prof Role Development. 2 Hours.
Emphasis on professional nursing role in health promotion/ risk reduction in groups/communities of vulnerable populations. Focuses on multidisciplinary team approaches to problem solving in community health.
NSG 445. Interventions: Community. 5 Hours.
PR: Senior standing in nursing or consent and CoReq: NSG 441 and NSG 455. Emphasis on the collaborative role of the nurse in assisting communities to develop and implement plans for health promotion/risk reduction across the life span. Focus on vulnerable populations.

NSG 450. Alterations in Mental Health. 4 Hours.

NSG 455. Interventions: Capstone. 1 Hour.
PR: Senior standing in nursing or consent and PR or Conc: NSG 441 and NSG 476 and CoReq: NSG 445. Synthesis of theoretical and practical knowledge acquired in undergraduate nursing career. Emphasis on critical thinking, ethical decision-making and civic responsibility in the design and implementation of a service-learning project addressing a community health need.

NSG 460. Care of the Critically Ill Pt.. 4 Hours.
PR: NSG 312 minimum grade C, NSG 411 minimum grade of C. Focuses on the professional nursing role in supporting individuals and families experiencing complex physiological alterations in health. Paired with clinical experiences supporting individuals and families in critical care settings.

NSG 461. Hlth Policy-Prof Nursing Pract. 3 Hours.
PR: RN Licensure. Fosters an appreciation for how policy drives the organization and finanacing of health care and shapes professional nursing practice. Issues of access to care, cost effectiveness, and quality of care are discussed and policy implications are considered.

NSG 465. Foundtns-Rsrch/Evdnc Bsd Pract. 3 Hours.
PR: NSG 333. Introduction to the development and application of evidence with an emphasis on the fundamental elements of the research process, appraisal of current evidence, and interpretation of evidence to improve patient outcomes.

NSG 471. Cmmnty Hlth Nsg:Thry/Intrvntns. 4 Hours.
PR: NSG 362. Concentrates on health promotion, disease and injury prevention to promote conditions and behaviors that improve the health of individuals, families, aggregates, communities, and populations through identifying determinants of health, available resources, and interventions.

NSG 475. Applied Research/EBP - CA. 4 Hours.
PR: NSG 333 and NSG 465. Advanced study of the evaluation, integration, and dissemination of reliable evidence from multiple sources including scientific evidence and patient/family preferences to inform practice and make clinical judgments to improve patient outcomes. This course is the capstone course for the RN to BSN program.

NSG 480. Core Concpts-Gerontolgcl Nsg. 2 Hours.
PR: NSG 211 and NSG 212 and Jr or Sr standing. Examination of patient specific concepts, nursing assessments, interventions, and models of care that guide nursing practice related to holistic care of the older adult.

NSG 481. Introduction-Cardiac Nursing. 2 Hours.
PR: NSG juniors and seniors. Introduction to the interpretation and treatment of cardiac arrhythmias.

NSG 482. Palliative Care Nursing. 2 Hours.
Nursing care of the patient across the lifespan with a diagnosis that requires palliative care.

NSG 483. Holistic & Integrative Nursing. 2 Hours.
PR: NSG 241 and NSG 245. Theory and principles of holistic nursing and an introduction to alternative/complementary health therapies. Experiential learning and application of content to clinical setting will be explored.

NSG 484. Care of the Diabetic Patient. 2 Hours.
In-depth analysis of nursing care of the patient with diabetes.

NSG 485. Children/Complex Health Needs. 2 Hours.
PR: NSG 320. The nursing care of children with complex acute and chronic health problems with a focus on decision-making using a case study problem based learning approach.

NSG 486. NCLEX Review. 1 Hour.
PR:Senior status. Focuses on achievement of professional success by preparing for RN licensure. Preparation for NCLEX will be the focus of this by enhancing NCLEX testing skills.

NSG 487. Movies and Mental Health. 2 Hours.
Representations of psychopathological states in films within the context of contemporary social issues such as stigma and discrimination. Examination of personal biases towards psychiatric illnesses and how biases interfere with advocacy roles of practicing nurses.

NSG 488. Genetics/Genomics in Health. 2 Hours.
Fundamentals of genetics and genomics for clinical practice with analysis of current state of the sciences and research translation. Genetic and genomic concepts within the context of current and future clinical applications, theories and therapeutics.

NSG 489. Reproductive Issues in Women. 2 Hours.
PR: NSG 310 and Nursing major. This course reviews reproductive health issues and prepares students for careers in maternal/child care. Complications, diseases, genetics, and nursing care: pre/intra and postpartum will be addressed.
NSG 493A-Z. Special Topics. 1-6 Hours.
PR: Consent. Investigation of topics not covered in regularly scheduled courses.

NSG 495. Independent Study. 1-6 Hours.
Faculty supervised study of topics not available through regular course offerings.

NSG 496. Senior Thesis. 1-3 Hours.
PR: Consent.

NSG 497. Research. 1-6 Hours.
Independent research projects.

NSG 498A-Z. Honors. 1-3 Hours.
PR: Students in the Honors Program and consent by the honors director. Independent reading, study or research.

NSG 522. Culture and Health. 3 Hours.
Healthcare is encountering increasing cultural diversity. By identifying cultural behaviors, beliefs, and meaning of health in diverse cultural contexts, students will become more culturally proficient in delivering care.

NSG 523A-Z. Special Topics. 1-6 Hours.
A study of contemporary topics selected from recent developments in the field.

NSG 610. Leadership in Health Care. 3 Hours.
PR or CONC: NSG 622 and NSG 623. Critical analysis of leadership frameworks, values and beliefs, and application of skills in the practice setting.

NSG 611. System Based Decision Making. 2 Hours.
PR or CONC: NSG 622 and NSG 623. Decision making grounded in an understanding of the organization as an open living system.

NSG 612. Leading Health System Change. 4 Hours.
PR: NSG 610 and NSG 611. Developing system-based change management critical to advanced nursing in various settings, including selection training, and support of effective teams and workgroups.

NSG 613. Managing Health Care Resources. 3 Hours.
PR: NSG 622 and NSG 623. Management of financial and human resources to promote professional practice and organizational growth within organizational financial constraints.

NSG 614. Health Care Informatics. 3 Hours.
PR: NSG 627. Explore technologies to improve health care practices and learn to utilize technology for outcomes management.

NSG 615. Program Planning/Evaluation. 3 Hours.
PR: NSG 613. Health care program planning, strategies for program implementation, and program evaluation techniques.

NSG 617. Leadership Practicum 1. 2-5 Hours.
PR or CONC: NSG 615. Supervised practicum designed to apply healthcare leadership principles to practice. Students participate in nursing leadership and administrative activities in a selected healthcare setting.

NSG 618. Leadership Practicum 2. 2-5 Hours.
PR: NSG 617. Supervised practicum designed to build on initial application of healthcare leadership principles. Students participate in leadership and administrative activities in a selected health care setting.

NSG 622. Theory & Disciplined Reasoning. 3 Hours.
Introduction to the theoretical foundations of the discipline of nursing as a basis for applying critical thinking skills to the development of a conceptual framework for nursing.

NSG 623. Concepts of Advanced Nursing. 2 Hours.
PR or Conc: NSG 622. Exploration, analysis, and evaluation of concepts, theories, and research guiding the advanced practice of nursing. Learning activities emphasize advanced practice role.

NSG 624. Advanced Pathophysiology. 4 Hours.
Theoretical basis of pathophysiological changes in acute and chronic illness confronted in primary care across lifespan. This course lays the foundation for subsequent courses in diagnosis, management, and therapeutic interventions.

NSG 626. Lifespan Health Promotion. 2 Hours.
An in-depth study of theoretical foundations, epidemiological principles, and advance practice strategies for the promotion of health and prevention of disease across the life-span.

NSG 627. Research/Systematic Analysis. 5 Hours.
PR: NSG 622. An overview of research methods, evidence and epidemiological and statistical measures used in advanced practice nursing.

NSG 628. Health Policy/Finance/Ethics. 3 Hours.
PR: NSG 622. Study of how health policy, the organization and financing of health care, and ethical principles shape professional practice.

NSG 629. Advanced Practice/Families. 2 Hours.
PR: NSG 622 and NSG 623 and NSG 626 and NSG 627. Exploration and analysis of family theories, assessments, and interventions applicable to the advanced practice of nursing.
NSG 631. Advanced Pharmacotherapeutics. 3 Hours.
PR: NSG 624. Examination of the relationship between pharmacologic principles and the selection of pharmacologic agents in altered health states across the lifespan. This course lays the foundation of subsequent courses in diagnosis, management, and therapeutic interventions.

NSG 632. Advanced Assessment. 2 Hours.
PR: NSG 622 and NSG 623 and NSG 624. Preparation for the conduct of advance health assessment of patients. Diagnostic reasoning is emphasized as the student collects and analyzes data obtained from the patient history, physical examination, and diagnostic procedures.

NSG 633. Primary Care: Rural Families 1. 3 Hours.
PR: NSG 622 and NSG 623 and NSG 624 and NSG 626, and NSG 631 and NSG 632. Introduction to the domains and competencies of the advanced practice nursing role that are fundamental to primary health care of the rural family unit.

NSG 634. Primary Care: Rural Families 2. 4 Hours.
PR: NSG 633. Further development of the domains and competencies of the advanced practice nursing role introduced in NSG 633 that are fundamental to primary health care of the rural family unit.

NSG 635. Rural Family Hlth Practicum 1. 2-5 Hours.
PR or Conc: NSG 634. Supervised practicum designed to apply theory- and evidence-based advanced practice nursing. Students develop the advanced practice role as they manage health care and participate in service learning.

NSG 636. Rural Family Hlth Practicum 2. 4-5 Hours.
PR: NSG 635. Supervised practicum that builds upon NSG 635 and focuses on the application of theory- and evidence-based advanced nursing practice. With supervision, students manage health care and participate on interdisciplinary terms.

NSG 644. Pediatric Primary Care 2. 4 Hours.
PR: NSG 647. Further acquisition of knowledge and skills central to the assessment of health status, diagnosis, treatment and evaluation of children in the primary care setting.

NSG 645. Pediatric Practicum 1. 5 Hours.
PR or CONC: NSG 644. Supervised practicum designed to facilitate the student’s competency in the delivery of primary health care to children.

NSG 646. Pediatric Practicum 2. 5 Hours.
PR: NSG 645. Supervised practicum designed to advance the student’s competency in the delivery of primary health care to children.

NSG 647. Assessment/Pediatric Care 1. 5 Hours.
PR: NSG 622 and NSG 623 and NSG 624 and NSG 627. An introduction to the knowledge and skills basic to the assessment of health status, diagnosis, and evaluation of children in the primary care setting.

NSG 654. Neonatal Pathophysiology. 4 Hours.
An introduction to the scientific foundations underlying processes contributing to health/illness states in neonates. Principles from genetics, embryology, and developmental physiology lay the foundation for subsequent courses in assessment, diagnosis and management.

NSG 655. Neonatal Health Promotion. 2 Hours.
PR: NSG 622. Review of practices and services that contribute to healthy outcomes for sick and well neonates with focus on health promotion, disease prevention, and maintenance of function in the context of critical care and primary care.

NSG 656. Current Issues in Aging. 2 Hours.
An overview of contemporary gerontology that offers a multidisciplinary approach to providing services to older people in the United States.

NSG 657. Adv Assessmnt Older Adults. 2 Hours.
PR: NSG 624. Preparation for the conduct of advanced health assessment of older adults. Diagnostic reasoning is emphasized as the student collects and analyzes data obtained from the patient history, physical examination, and diagnostic procedures.

NSG 658. Geriatric Primary Care 1. 2.5 Hours.
PR: NSG 631 and NSG 657. Study of constellation of symptoms in the older adult that may be manifestations of other health problems.

NSG 659. Geriatric Primary Care 2. 4 Hours.
PR: NSG 657 and NSG 658. Study of common diseases and disorders seen in the older adult. An integration of advanced practice skills and role competencies in the care of older individuals and their families is emphasized.

NSG 660. Women's Reproductive Health. 2 Hours.
PR: Graduate status or permission. This course focuses on fertility control, reproductive health, menopause, and health promotion activities for women.

NSG 663. Neonatal Assessment/Care 1. 5 Hours.
PR: NSG 622 and NSG 623 and NSG 654 and PR or CONC: NSG 655. Preparation for conducting advanced assessment of neonates/young infants. Diagnostic reasoning is emphasized through collecting and analyzing data obtained from patient history, physical examination, and diagnostic procedures.

NSG 664. Neonatal Care 2. 4 Hours.
PR: NSG 663 and NSG 631. This course focuses on the management of common problems and conditions in neonates.
NSG 665. Neonatal Practicum 1. 5 Hours.
PR: NSG 631 and PR or CONC: NSG 664. This supervised practicum is designed to facilitate the student’s competency in the delivery of care to infant populations.

NSG 666. Neonatal Practicum 2. 5 Hours.
PR: NSG 665. This supervised practicum is designed to facilitate the student’s competency in the delivery of care to infant populations.

NSG 670. Curriculum in Nursing. 3 Hours.
A review of contemporary theory-based determinants of curriculum development in nursing, including analysis and evaluation of curricula for nursing education.

NSG 671. Clinical Practicum-Educators. 2 Hours.
PR: NSG 635. Implementation of theory-based advanced nursing practice in an area of student’s clinical interest/expertise. Student develops the advanced practice role with a select population of clients and families.

NSG 672. Education Practicum. 3 Hours.
PR: NSG 674. Guided teaching experience under the supervision of an experienced faculty member that allows the student to function in the role of nurse educator in classroom and clinical settings.

NSG 674. Teaching in Nursing. 3 Hours.
PR: NSG 670. A general methods course involving the principles of instruction in didactic and clinical nursing education including analysis of course planning, teaching methods, and evaluation of student outcomes.

NSG 675. Geriatric Practicum 1. 2-5 Hours.

NSG 676. Geriatric Practicum 2. 4-5 Hours.
PR: NSG 675. Supervised practicum that focuses on evidence-based advanced practice in a variety of settings. The students, with supervision, will manage health care of geriatric clients and their families and participate on interdisciplinary teams.

NSG 683. Primary Care:Women/Girls 1. 3 Hours.
PR: NSG 622, NSG 623, NSG 624, NSG 626, NSG 631 and NSG 632. Introduction to the domains and competencies of the advanced practice nursing role that are fundamental to primary health care of women and girls.

NSG 684. Primary Care:Women/Girls 2. 4 Hours.
PR: NSG 683. Further development of the domains and competencies of the advanced practice nursing role introduced in NSG 683 that are fundamental to primary health care of the rural family unit.

NSG 685. Clinical Scholarship. 1 Hour.
Co-Req: NSG 635 (For FNP track) or NSG 645 (For PNP track). Knowledge dissemination within the advanced practice role using disciplined reasoning and systematic inquiry to examine and incorporate evidence-based strategies in the caring/healing process.

NSG 686. WHNP Practicum 1. 2-5 Hours.
PR or CONC: NSG 684. Supervised practicum designed to apply theory- and evidence- based advanced practice nursing. Students develop the advanced practice role as they manage health care and participate in service learning.

NSG 687. WHNP Practicum 2. 4-5 Hours.

NSG 691A-Z. Advanced Topics. 1-6 Hours.
PR: Consent. Investigation of advanced topics not covered in regularly scheduled courses.

NSG 693A-Z. Special Topics. 1-6 Hours.
A study of contemporary topics selected from recent developments in the field.

NSG 695. Independent Study. 1-6 Hours.
Faculty supervised study of topics not available through regular course offerings.

NSG 697. Research. 1-3 Hours.
PR: Consent. Research activities leading to thesis, problem report, research paper, or equivalent scholarly project, or a dissertation guided by a student-graduate faculty contact based on the course objectives and culminating in a written product. (Grading will be S/U.).

NSG 702. Population Health Promotion. 3 Hours.
PR: NSG 707. Provides a foundation for analysis of clinical prevention and population health programs or individuals, aggregates, and populations.

NSG 703. Theory of Practice. 3 Hours.
Provides an understanding of the scientific underpinnings of the application of theory to health care at the highest level of advanced nursing practice.

NSG 704. Health Care Leadership. 3 Hours.
PR: NSG 711. Critical analysis of leadership in the health care setting with development of skills needed to organize care and lead practice change.
NSG 707. Evidence Based Practice. 3 Hours.
PR or CONC: NSG 703. Prepares the DNP student to translate research into practice, evaluate practice guidelines to improve health care practices and outcomes, and to participate in collaborative research.

NSG 708. DNP Role Seminar. 2 Hours.
PR: Admission to the DNP program. Provides an understanding of the Doctor of Nursing Practice role at the highest level of nursing practice.

NSG 709. Health Care Informatics. 3 Hours.
PR: NSG 707. Explore information technologies used in acute and outpatient health settings and describe methods of utilization of technology for practice improvement and patient outcomes management.

NSG 710. Health Policy/Resource Mangmnt. 3 Hours.
PR: NSG 711. The foundation for leadership in health policy development, implementation, and evaluation, with a focus on advocacy for nursing, social justice, and equity. Financial resource management for nursing leadership and policy/program implementation.

NSG 711. Health Care Focus. 3 Hours.
Provides for the development of knowledge and skills relative to the state of the science in a particular area of clinical practice.

NSG 713. DNP Role Application. 1 Hour.
PR or CONC: NSG 742. Integration of Doctor of Nursing practice role competencies at the highest level of nursing practice.

NSG 717. Organization and Leadership. 3 Hours.
Provides a foundation for developing organizational and systems leadership skills critical to clinical care and health outcomes. Knowledge will help students to promote patient safety and excellence in health care organizations.

NSG 719. Health Care Policy. 3 Hours.
Provides a foundation for influencing, developing, implementing, and evaluating health care policies and legislation pertinent to issues in health care such as ethics, safety, costs, access, and quality.

NSG 724. Health Research Statistics 1. 3 Hours.
This course provides development of statistical knowledge and skills needed for quantitative health research using SPSS. Topics include descriptive statistics, probability, hypothesis testing, analysis of variance, chi-squared testing, linear regression, and logistic regression.

NSG 725. Health Research Statistics 2. 3 Hours.
This course continues the development of statistical knowledge and skills needed for quantitative health research using SPSS, including nonparametric testing, advanced regression topics and diagnostics, ANCOVA, SPSS syntax, classification, and factor, survival and power analyses.

NSG 727. Contemporary Nursing Science. 2 Hours.
PR: NSG 728 and PR or CONC: NSG 729. Focus is on an analysis of the state of the science for phenomenon for study. Emphasis is placed on the application of the particular phenomenon to a population of interest.

NSG 728. Theoretical Basis of Nursing. 3 Hours.
PR: NSG 722. This course builds on philosophical basis of nursing. Discovery and verification of scientific knowledge are addressed by focusing on theory development. Methodologies include concept analysis and evaluation of middle-range theories of nursing and related sciences.

NSG 729. Quantitative Research Methods. 4 Hours.
PR: NSG 724 and NSG 725. Quantitative methods and measurement relevant to conducting research in nursing are studied.

NSG 730. Principles of Measurement. 3 Hours.
PR: NSG 727 and NSG 728. The role of measurement in nursing research is studied. Measurement in the areas of attitudes, personality, competence, development, and group qualities is emphasized. Instrument development and reliability/validity issues are also discussed.

NSG 731. Qualitative Research Methods. 3 Hours.
PR: NSG 727 and NSG 728. An exploration of the philosophical foundation and methods of qualitative inquiry. Research designs, ethical issues, rigor, integrity, data collection, interpretation, and representation are studied in depth.

NSG 732. Seminar in Nursing Scholarship. 2 Hours.
PR: Admission to the PhD program. This course socializes students to clinical scholarship in preparation for the conduct of independent research and for future roles as nurse scholars and nurse scientists.

NSG 733. Research Grant Development. 2 Hours.
PR: NSG 781. Analysis of the grant-writing process, including current federal application formats, provides students with the background to complete a submittable grant proposal in their own area of research.

NSG 734. Use of Data. 3 Hours.
PR: NSG 726 and NSG 729. This course focuses on use of the following data bases: clinical, financial, health services, nursing, local, state, and national. The uses of existing data in clinical and policy decisions and in research will be explored.

NSG 735. Principles:Nursing Education. 3 Hours.
PR: EDP 700. This course examines the research base of educational strategies in nursing education in classroom and clinical settings. The course also examines external determinants on nursing curriculum, accreditation issues, and evaluation of nursing programs.
NSG 736. Advanced Health Policy/Ethics. 3 Hours.
PR: NSG 728 and NSG 724 and NSG 732 and NSG 724 and NSG 735 and NSG 725 and NSG 704. Examination of ethical issues of research and current health policy.

NSG 737. Leadership. 3 Hours.
PR: NSG 734. Through exploration of contemporary leadership theory and application to self, an authentic personal leadership style will be developed to enable the student to enact a leadership role in health care and/or education.

NSG 738. Issues In Nursing Scholarship. 3 Hours.
PR: NSG 729, NSG 731, and NSG 737. Seminar focused on broad issues of ethics in the conduct of research and role acquisition of nurse scientist in academic, clinical, and health policy settings.

NSG 745. Clinical Immersion. 1-8 Hours.
PR: NSG 711. Provides for the mastery of clinical skills relative to the state of the science in a particular area of clinical practice.

NSG 760. DNP Clinical Project. 3 Hours.
PR: NSG 711. Develop a scholarly initiative to improve practice system, or patient outcomes.

NSG 761. Clinical Project 1. 1 Hour.
PR: NSG 715 and NSG 716. Identifies a practice problem and connects the problem to existing knowledge and science.

NSG 762. Clinical Project 2. 1 Hour.
PR: NSG 761 and NSG 717 and NSG 718. Students design an initiative to address the practice problem identified in NSG 761 using the appropriate research methods and a variety of scientific principles.

NSG 763. DNP Capstone. 1-6 Hours.
PR: NSG 762. Project implementation using leadership skills to create and evaluate change relative to a practice problem. Analyze relationship of project to practice and policy.

NSG 768. Prospectus Development. 1-6 Hours.
Supervised experiences in planning the dissertation research project, developing the chapters for the prospectus, and preparing the proposal document for review by committee members.

NSG 769. Faculty Career Development. 1 Hour.
Supervised experiences in searching for available positions, preparing and submitting application materials, participating in campus interviews, and planning a successful future career.

NSG 781. Research Mentorship. 1-3 Hours.
PR: NSG 729. In this guided practicum, the student's research skills are developed and cultivated through participation in the mentorship process with an experienced researcher (the chairperson or his/her designee).

NSG 783. Dissertation Seminar. 1 Hour.
PR: NSG 729. This seminar provides an opportunity for continued knowledge synthesis related to the selected topic of research. Students will participate in proposal presentation and critique. The expectation is a National Research Service Award Predoctoral Fellowship Application.

NSG 791A-Z. Advanced Topics. 1-6 Hours.
PR: Consent. Investigation of advanced topics not covered in regularly scheduled courses.

NSG 792A-Z. Directed Study. 1-6 Hours.
Directed study, reading, and/or research.

NSG 793A-Z. Special Topics. 1-6 Hours.
A study of contemporary topics selected from recent developments in the field.

NSG 794A-Z. Seminar. 1-6 Hours.
Special seminars arranged for advanced graduate students.

NSG 795. Independent Study. 1-9 Hours.
Faculty supervised study of topics not available through regular course offerings.

NSG 796. Graduate Seminar. 1 Hour.
PR: Consent. Each graduate student will present at least one seminar to the assembled faculty and graduate student body of his or her program.

NSG 797. Research. 1-9 Hours.
PR: Consent. Research activities leading to thesis, problem report, research paper, or equivalent scholarly project, or a dissertation. (Grading will be S/U.)

NSG 798. Dissertation. 1-6 Hours.
PR: Consent. This is an optional course for programs that wish to provide formal supervision during the writing of student reports (6978), or dissertations (798). Grading is normal.
NSG 799. Graduate Colloquium. 1-6 Hours.
PR: Consent. For graduate students not seeking coursework credit but who wish to meet residency requirements, use the University’s facilities, and participate in its academic and cultural programs. Note: Graduate students who are not actively involved in coursework or research are entitled, through enrollment in their department’s 699/799 Graduate Colloquium to consult with graduate faculty, participate in both formal and informal academic activities sponsored by their program, and retain all of the rights and privileges of duly enrolled students. Grading is P/F; colloquium credit may not be counted against credit requirements for masters programs. Registration for one credit of 699/799 graduate colloquium satisfies the University requirement of registration in the semester in which graduation occurs.