<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>110</td>
<td>Exploring Nursing</td>
<td>Fall, Spring. 2(2-0) Introduction to the bio-psycho-social conceptual model of persons in relation to nursing and health. Core concepts and theoretical foundations that frame the art and science of nursing. Development of the profession from inception into contemporary practice and its relationship to the U.S. healthcare system.</td>
</tr>
<tr>
<td>220</td>
<td>Introduction to Nursing Scholarship</td>
<td>Fall, Spring. 2(2-0) RB: Open to other majors with College approval. R: Open to students in the Pre-nursing major or in the Nursing major. Prepares students to become consumers of research who critically evaluate and base their nursing care on evidence. Research methodologies essential to providing evidence-based nursing care.</td>
</tr>
<tr>
<td>300</td>
<td>Pathophysiology</td>
<td>Fall, Spring, Summer. 4(4-0) P: (ANTR 350) and (PSL 310 or PSL 250) RB: Pre-professional students entering patient care disciplines. Not open to students with credit in NUR 341. How disrupting normal structures and functions of the human body leads to disease processes from the cellular to the multi-system level. Critical examination of the mechanisms underlying signs and symptoms.</td>
</tr>
<tr>
<td>325</td>
<td>Transitions to BSN Practice</td>
<td>Spring. 2(2-0) Application of curricular concepts to nursing practice, role differentiation and contribution of BSN nurses to healthcare.</td>
</tr>
<tr>
<td>330</td>
<td>Health Assessment and Nursing Therapeutics</td>
<td>Fall, Spring, Summer. 7(3-10) P: NUR 300 R: Open to students in the Nursing major. C: PHM 350 concurrently and NUR 340 concurrently. Normal physiology and pathophysiology. Theories of growth and development across the life span. Therapeutic communication and physical, psychosocial, cultural and spiritual assessment techniques and mastery of basic nursing therapeutics. Understanding the significance of abnormal physiological health transitions of the adult.</td>
</tr>
<tr>
<td>336</td>
<td>Health Promotion for the BSN</td>
<td>Summer. 4(4-0) RB: Registered Nurse admitted to the RN-BSN program. R: Open to students in the Nursing major. Health promotion and risk reduction for individuals across the lifespan in the context of their families and environments including those from diverse and vulnerable populations.</td>
</tr>
<tr>
<td>340</td>
<td>Foundations of Nursing Practice</td>
<td>Fall, Spring, Summer. 4(4-0) P: (NUR 300) and completion of Tier I writing requirement C: PHM 350 concurrently or NUR 330 concurrently. Theories and principles underlying professional nursing practice. Development of basic principles for using empirical evidence and the research process to guide practice.</td>
</tr>
<tr>
<td>355</td>
<td>Integrative Seminar I</td>
<td>Summer. 2(2-0) P: NUR 300 RB: Registered Nurse admitted to the RN-BSN program. R: Open to students in the Nursing major. C: NUR 340 concurrently. Critical appraisal of literature related to health promotion and risk reduction in preparation for an evidence-based practice project.</td>
</tr>
<tr>
<td>360</td>
<td>Acute Nursing Care of Adults and Older Adults</td>
<td>Fall, Spring, 8(4-12) P: NUR 330 and NUR 340 C: NUR 370 concurrently. Integration of concepts and theories into beginning level Nursing practice. Examination of dynamic interrelationship between professional, scholarly nursing practice, and the health and wellness of diverse persons and populations across the life span.</td>
</tr>
<tr>
<td>400</td>
<td>Pharmacology for Nurses</td>
<td>Spring. 3(3-0) P: NUR 313 and NUR 319 concurrently. Principles of nursing management in drug therapy, drug classifications and patient-related variables. Assessment and evaluation of patient responses in relation to health, age, lifestyle, gender, ethnicity and other cultural factors.</td>
</tr>
<tr>
<td>402</td>
<td>Global Health</td>
<td>Spring. 3(3-0) Spring: Abroad and Africa. Factors and dynamics that affect the health of human populations and population status. Role of national governments and international agencies in the policy and planning of health care resources and services.</td>
</tr>
<tr>
<td>422</td>
<td>Nursing in London</td>
<td>Summer. 5(5-0) R: Approval of college; application required. Historical evolution of nursing in the National Health Service: British nursing education, hospital and community health nursing, standards of care, research, and management. Influence of professional nursing upon British national health policies.</td>
</tr>
<tr>
<td>424</td>
<td>History of Nursing in the United States</td>
<td>Spring. 2(2-0) Development of professional nursing education and practice from its inception in the United States. Reading historical documents and identifying specific concepts relative to nursing history. Historical research as a valid means of scholarly inquiry.</td>
</tr>
<tr>
<td>426</td>
<td>Theoretical Basis for Critical Care</td>
<td>Fall, Spring. Summer. 2(2-0) P: NUR 304 or NUR 360 R: Open to seniors in the College of Nursing. Nursing care of clients in critical care, requiring synthesis of pathophysiological, pharmacological, and therapeutic concepts. Family theory, stress-adaptation, psychosocial concepts and legal and ethical issues.</td>
</tr>
<tr>
<td>429</td>
<td>Health Care in Ghana</td>
<td>Summer. 2(2-0) Summer: Abroad and Africa. R: Approval of college. Major health issues and health care system in western and traditional Ghana culture. Health status indicators and determinants; major programs and strategies; organization of the health care system; access to and payment for care; role, image and status of health care providers; and the interface between western and traditional Ghana health care.</td>
</tr>
<tr>
<td>435</td>
<td>Nursing Care of the Childbearing Family</td>
<td>Fall, Spring. 4(2-6) P: NUR 360 and NUR 370 C: NUR 440 concurrently. Health promotion and risk assessment of individuals and families during pregnancy and birth. Therapeutic communication and assessment skills for providing holistic care to culturally diverse childbearing families during the prenatal, intrapartum, and postpartum periods. Caring for mother and baby in utero and after birth.</td>
</tr>
<tr>
<td>440</td>
<td>Nursing Care of Children, Adolescents and Their Families</td>
<td>Fall, Spring. 4(2-6) P: NUR 360 and NUR 370 C: NUR 435 concurrently. Theoretical concepts and clinical application of nursing care of infants, children, and adolescents in varied health care and community settings. Synthesis of pathophysiological, pharmacological, and therapeutic concepts. Family centered care of children within developmental, cultural, ethnic, religious, and social structures.</td>
</tr>
<tr>
<td>441</td>
<td>Future of Nursing: Graduate Education</td>
<td>Options for graduate education in nursing. Students will develop post-BSN professional goals. Identify potential clinical focus and population of interest for research/scholarship/practice. Completion of an application to the graduate program of their choice.</td>
</tr>
<tr>
<td>450</td>
<td>Integrative Seminar II</td>
<td>Fall, Spring. 2(4-0) C: NUR 435 concurrently or NUR 440 concurrently. Integration of concepts and theories into intermediate-level nursing practice. Dynamic interrelationship between professional, evidence-based practice, and health and wellness throughout the lifespan.</td>
</tr>
<tr>
<td>451</td>
<td>Honors Research Internship</td>
<td>On Demand. 2 to 3 credits. P: NUR 220 RB: Students must provide a copy of Human Subjects and HIPAA approval to supervising faculty member. R: Open to students in the Nursing major or in the Pre-nursing major. Immersion in the research process in the College of Nursing working directly with a nurse researcher in the context of a funded/non-funded research team.</td>
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<tr>
<td>455</td>
<td>Integrative Seminar II</td>
<td>Fall, Spring. 2(2-0) P: NUR 340 and NUR 336 and NUR 355 and NUR 400 RB: Registered Nurse admitted to the RN-BSN program. R: Open to students in the Nursing major. Not open to students with credit in NUR 450. C: NUR 465 concurrently. Integration of professional and scholarly nursing practice culminating in an evidence based practice project.</td>
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490  Independent Study in Nursing
Fall, Spring, Summer. 2(2-0) P: (NUR 435 and NUR 440 and NUR 450) and completion of Tier I writing requirement C: NUR 470 concurrently or NUR 480 concurrently. Theories, principles, and practices of leadership, management, and nursing care delivery systems in a variety of agency settings. Application of theories and principles in a mentored practicum.

465  Leadership Immersion
Fall. 4(3-1) P: NUR 355 and NUR 340 and NUR 336 and NUR 400 RB: Registered Nurse admitted to the RN-BSN program. R: Open to students in the Nursing major. Not open to students with credit in NUR 460. C: NUR 455 concurrently.
Integration and application of theories, principles and practices of nursing leadership and management into contemporary practice settings.

470  Community and Population Health Nursing
Fall, Spring, Summer. 4(2-6) P: NUR 435 and NUR 440 and NUR 450 C: NUR 460 concurrently and NUR 480 concurrently. Theoretical and practicum basis for community-oriented population nursing practice. Promoting and protecting the health of the public using health promotion, risk reduction, and disease management and control strategies with vulnerable persons and populations. Community assessment, epidemiologic, environmental, change, political action, and case-management frameworks are used to guide evidence-based nursing care delivery to persons, families, and populations in community settings.

480  Role Transition Seminar
Fall, Spring. 3(6-0) P: (NUR 450) and completion of Tier I writing requirement C: NUR 460 concurrently or NUR 470 concurrently.
Advanced-level evidence-based practice for transition to entry-level nursing. Ethical decision and policy-making at the organization level.

485  Integrative Seminar III
Spring. 2(2-0) P: NUR 355 and NUR 340 and NUR 400 and NUR 455 and NUR 336 RB: Registered Nurse admitted to the RN-BSN program. R: Open to students in the Nursing major. Not open to students with credit in NUR 480. C: NUR 470 concurrently.
Examination of the influence and responsibility of professional nursing to society

490  Independent Study in Nursing
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to students in the College of Nursing. Not open to PreNursing majors. Approval of college. Individualized area of study in Nursing.

491  Special Topics
Fall, Spring, Summer. 2 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to students in the College of Nursing. Not open to PreNursing majors.
Exploration of selected issues in nursing.

802  Theoretical Foundations and Role Development for the Advanced Practice Nurse
Fall. 3(3-0) R: Open to graduate students in the College of Nursing. Not open to students with credit in NUR 801 or NUR 803. Integration of theories from nursing and related disciplines to provide a foundation for the graduate student to transition into the advanced practice role.

804  Statistics for the Healthcare Professional
Spring. 3(3-0) R: Open to graduate students.
Basic understanding of descriptive statistics, probability, linear regression and epidemiological concepts.

805  Pathophysiology for Advanced Practice Nursing
Fall. 3(3-0) R: Open only to masters students in the College of Nursing or approval of college. SA: NUR 511
Alterations of various physiological systems. Pathophysiology of frequently encountered primary care conditions across the life span and special populations. In-depth case analysis of risk factors, pathophysiological changes, and associated clusters of signs and symptoms. Pathophysiological theories and research as a basis for advanced practice nursing.

806  Research for Advanced Practice Nurses
Spring. 3(3-0) P: NUR 802 and NUR 804 R: Open to graduate students in the College of Nursing
Prepares advanced practice nurses who are proficient in the ethical utilization and clinical application of research including problem identification and evaluation to provide high quality care and improve practice.

807  Clinical Decision Making
Spring. 3(1-6) P: NUR 805 and (NUR 820 or NUR 835 or NUR 860) R: Open to masters students in the College of Nursing.
Clinical decision making in advanced practice nursing. Decision theory and related concepts. Application of critical thinking and clinical judgment to differential diagnoses of common primary care conditions.

809  Applied Pharmacology for Advanced Practice Nursing
Spring, Summer. 3(3-0) P: NUR 805
Clinical application of advanced pharmacology and pharmacotherapeutics for common disease conditions. Principles of altered pharmacodynamics relative to age, race, and ethnic groups. Cost and benefity aspects of pharmacological interventions.

814  Health Care Policy and Politics
Spring. 3(3-0) P: NUR 802 R: Open to graduate students in the College of Nursing. Not open to students with credit in NUR 841.
Nursing and public policy formation in relation to healthcare system organization, financing, regulation, ethics, and delivery of services within a global society.

820  Health Assessment of the Family
Fall. 3(1-6) R: Open only to students in the Nurse Practitioner concentration. R: Open to masters students in the Master of Science in Nursing or in the Nurse Practitioner Graduate Certificate. SA: NUR 522
Advanced assessment component of the nursing process to analyze the health status of children and adults across the lifespan.

821  Primary Care Management of the Family I
Summer. 5(3-6) P: NUR 802 and NUR 806 and NUR 807 and NUR 820 R: Open to masters students in the Master of Science in Nursing or in the Nurse Practitioner Graduate Certificate. SA: NUR 522
Principles and issues of health care management for family advanced practice nurses in primary care. Health promotion, disease prevention, and single acute problems of individuals across the life span and for diverse populations. Analysis of primary care practice topics using family frameworks and evidence based research.

822  Practicum I: Primary Care for the Family
Fall. 6(0-18) P: NUR 821 R: Open to graduate students in the Master of Science in Nursing or in the Nurse Practitioner Graduate Certificate. SA: NUR 522

823  Primary Care Management of the Family II
Fall. 3(3-0) P: NUR 821 R: Open to graduate students in the Master of Science in Nursing or in the Nurse Practitioner Graduate Certificate. SA: NUR 524
Principles and issues of health care management for family advanced practice nurses in primary care. Health care management of clients across the life span with chronic, stable and/or multiple complex problems. Integration and synthesis of relevant frameworks.

824  Practicum II: Primary Care for the Family
Spring. 7(0-21) P: NUR 822 and NUR 823 R: Open to graduate students in the Nurse Practitioner Graduate Certificate or in the Master of Science in Nursing. SA: NUR 524
Integration of assessment and applied theory in primary care management of clients across the lifespan. Collaborative model of primary care practice. Health care management of chronic, stable and multiple complex problems of individuals within the context of family. Increasingly independent decision making with preceptor validation.

832  Practicum I: Primary Care for the Adult and Aged
Fall. 6(0-18) P: NUR 836 R: Open to graduate students in the Master of Science in Nursing or in the Nurse Practitioner Graduate Certificate.
834 Practicum III: Primary Care for the Adult and Aged
Spring. 7(0-21) P: NUR 832 R: Open to graduate students in the Master of Science in Nursing or in the Nurse Practitioner Graduate Certificate.
Integration of assessment and applied theory in clinical management. Management of acute and chronic health problems, promotion of rehabilitation and health maintenance for adult and aging individuals across a variety of environments. Provision of specialized, culturally appropriate care to aging individuals, family members and the community. Collaborative, interdisciplinary model of practice.

835 Health Assessment of the Adult and Aged
Fall. 3(1-6) RB: Successful completion of basic physical/health assessment course. R: Open to graduate students in the Master of Science in Nursing or in the Nurse Practitioner Graduate Certificate.
Advanced health assessment skills to provide comprehensive, culturally sensitive care to adults and aging individuals. Interviewing techniques, communication, interpersonal skills and psychomotor skills. Analysis of health status including the role of risk factors and health promotion strategies. Emphasis placed on functional implications. Interpretation of results and application to the role of the nurse practitioner and development of clinical reasoning and decision-making skills.

836 Primary Care Management of the Adult and Aged I
Spring. 5(3-6) P: NUR 835 R: Open to graduate students in the Master of Science in Nursing or in the Nurse Practitioner Graduate Certificate.
Principles and issues of health care management for adult and gerontological advanced practice nurses. Health promotion, risk identification, disease prevention, and acute problems for the adult and aged from culturally diverse backgrounds. The role of risk factors and normal aging changes on health. Analysis of adult and aging health topics using appropriate models, frameworks, and evidence-based research.

837 Primary Care Management of the Adult and Aged II
Fall. 3(3-0) P: NUR 836 R: Open to graduate students in the Master of Science in Nursing or in the Nurse Practitioner Graduate Certificate.
Health care management of the adult and aged individual with stable chronic, co-morbid, complex problems and geriatric syndromes utilizing clinically relevant research and evidence-based, age appropriate, guidelines. Planning and implementing therapeutic interventions to return the patient to a stable state and to optimize health, minimizing physical and psychological complications and maximizing health potential. Integration and synthesis of relevant theories and frameworks. Coordination of care.

838 Care for Aging Individuals Across the HealthCare Continuum
Summer. 1(1-0) P: NUR 802 R: Open to graduate students in the Master of Science in Nursing or in the Nurse Practitioner Graduate Certificate.
Regulations, financing methods, forms of service delivery, and management methods in care of the older adult within a variety of health care environments. Aging of the American society, the impact of the baby-boomer generation, consumer choice, and the growing diversity in care options, focusing on long-term care.

841 Health Care Policy in Perspective: Economics, Politics and Ethics
Spring. 2(2-0) SA: NUR 503
Economic, political and regulatory environment of the U.S. health care system. Quality, costs, equity in access of services. Comparison of U.S. systems with those of other advanced industrial countries.

860 Physical Assessment for Clinical Nurse Specialist
Spring. 2(1-3) P: NUR 805 R: Open to masters students in the Master of Science in Nursing.
Development of advanced health history and physical assessment skills for adult populations for clinical nurse specialist.

861 Curriculum Design in Nursing Education
Fall. 3(3-0) P: NUR 802 RB: Open only to masters students in Clinical Nurse Specialist-Nurse Education concentration. R: Open to graduate students in the Clinical Nurse Specialist Graduate Certificate or in the Master of Science in Nursing.
Analysis and application of theories, principles, and concepts associated with curriculum development, design, and evaluation.

862 Clinical Nurse Specialist Role Immersion
Fall. 3(3-0) P: NUR 807 RB: Open only to master's students in the Clinical Nurse Special-Nurse Education concentration. R: Open to graduate students in the Master of Science in Nursing.
Role development of the clinical nurse specialist as an applied nurse scientist, expert in nursing practice, and professional leader.

864 Clinical Nurse Specialist Role Immersion
Spring. 6(1-15) P: NUR 862 and (NUR 814 or concurrently) RB: Open only to master's students in the Clinical Nurse Specialist-Nurse Education concentration. R: Open to graduate students in the Clinical Nurse Specialist Graduate Certificate or in the Master of Science in Nursing.
Synthesis, integration, and clinical application of the essential concepts and knowledge associated with the roles of the clinical nurse specialist.

865 Nursing Education Seminar
Spring. 2(2-0) RB: Open only to students in the Clinical Nurse Specialist-Nurse Education concentration. R: Open to graduate students in the Master of Science in Nursing.
Syntheses of teaching and learning, curricular development, and learner-evaluation theories and strategies. Curricular design and unique characteristics of academic and clinical instruction and learning.

866 Academic and Clinical Teaching Internship
Spring. 3(1-6) P: NUR 861 RB: Open only to masters students in Clinical Nurse Specialist-Nurse Education concentration. R: Open to graduate students in the Master of Science in Nursing.
Guided field internship within an academic or health care setting. Synthesis and application of concepts to facilitate development of the advanced practice nurse as scholar, teacher, and collaborator.

867 Clinical Internship in Nursing Education
Spring. 4(1-9) P: NUR 861 RB: Open only to students in the Clinical Nurse Specialist-Nurse Education concentration. R: Open to graduate students in the Master of Science in Nursing.
Application and evaluation of teaching and learning principles in a diverse health care setting.

868 Topics in Nursing Education
Fall. 3(3-0) RB: Open only to master's students in the Clinical Nurse Specialist-Nurse Education concentration. R: Open to graduate students in the Master of Science in Nursing.
Integration of concepts of teaching, learning, evaluation, and assessment applicable to nursing education within a variety of settings.

874 Clinical Practicum I
Spring. 3(0-15) P: NUR 886 RB: Open only to students in the Nurse Anesthesia concentration. R: Open to graduate students in the Master of Science in Nursing.
Individualized faculty-guided instruction in the management of patients receiving anesthesia, emphasizing safety, monitoring modalities, and simulated patient experiences. Experiences include introduction to the role of the nurse anesthetist and development of basic nurse anesthesia skills.

877 Anesthesia Physiology and Pathophysiology
Spring. 3(3-0) R: Approval of college.
Physiological principles and pathophysiological relationships of body systems. Evaluation of coexisting pathophysiologies.

878 Advanced Physiology and Pathophysiology
Summer. 3(3-0) P: NUR 877
Homeostatic mechanisms in relation to anesthetic case management.

879 Chemistry and Physics of Anesthesia
Spring. 3(3-0) R: Approval of college.
Basic chemistry and physics and their relationship to nurse anesthesia practice. Organic and biochemical principles, and pharmacological significance. Integration and application of these principles to nurse anesthesia practice.

880 Health Assessment for Nurse Anesthesia
Summer. 3(1-6) P: NUR 877
Advanced systematic focus on the health assessment of patients preparing for anesthesia, and integration of the anesthesia management plans.

881 Perioperative Technology and Instrumentation
Summer. 2(2-0) P: NUR 879

882 Principles of Anesthesia I
Summer. 3(3-0) P: NUR 879
Art and science of nurse anesthesia and basic principles of anesthesia practice. History of anesthesia administration. Use and care of anesthesia related equipment.

883 Principles of Anesthesia II
Fall. 3(3-0) P: NUR 882
Advanced anesthesia care principles. Procedures and complications in the anesthetic management of the emergency and trauma patient. Considerations for specialty surgical areas.

884 Principles of Anesthesia III
Spring. 3(3-0) P: NUR 883
Foundations for the clinical practice of anesthesia. Integrating physiologic patient parameters, didactic knowledge, and technical skills in simulated and clinical environments.
885  Anesthesia Practicum I  
Summer. 1(0-3) P: NUR 879  
Design and management of the operating room. Principles and techniques of sterility, intravenous and arterial cannulation, and course of anesthesia. Basic drugs and monitors, anesthesia management plan, documentation, and ethical considerations in anesthesia practice.

886  Anesthesia Practicum II  
Fall. 2(0-6) P: NUR 885  
Integration of knowledge, skills and program objectives to a broader array of patients in simulated and clinical patient environments.

887  Pharmacology for Anesthesia Practice I  
Fall. 3(3-0) P: NUR 877  
Pharmacology and its applications to clinical anesthesia practice.

888  Pharmacology for Anesthesia Practice II  
Spring. 3(3-0) P: NUR 887  
Pharmacologic principles of drug pharmacokinetics and pharmacodynamics. Factors modifying anesthetic management of patients.

890  Special Problems  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to masters students in the College of Nursing or approval of college. SA: NUR 590
Individual or group in-depth study of specific areas in nursing. Independent study.

890B  Special Problems  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to masters students in the College of Nursing or approval of college. SA: NUR 590
Individual or group in-depth study of specific areas in nursing. Independent study.

891  Selected Topics  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to masters students in the College of Nursing or approval of college. SA: NUR 591
Selected issues, trends, programs, or theories in nursing.

892  Clinical Practicum II  
Summer. 7(0-35) P: NUR 874 and NUR 884  
RB: Open only to students in the Nurse Anesthesia concentration. R: Open to graduate students in the Master of Science in Nursing. Individualized faculty-guided instruction in the management of patients receiving anesthesia, emphasizing safety, monitoring modalities, and simulated patient experiences. Experiences include the roles of the nurse anesthetist on the anesthesia care team and development of basic nurse anesthesia skills.

893  Clinical Practicum III  
Fall. 7(0-35) P: NUR 892  
RB: Open only to students in the Nurse Anesthesia concentration. R: Open to graduate students in the Master of Science in Nursing. Clinical application of principles of nurse anesthesia. Students will be precepted in the perioperative clinical site. Experiences include development of advanced skills specific to the role of the nurse anesthetist.

894  Clinical Practicum IV  
Spring. 7(0-35) P: NUR 893  
RB: Open only to students in the Nurse Anesthesia concentration. R: Open to graduate students in the Master of Science in Nursing. Clinical application of principles of nurse anesthesia. Students will be precepted in the perioperative clinical site. Experiences include application of advanced skills specific to the role of the nurse anesthetist. The final clinical experience demonstrated substantial progress toward self direction and independent practice.

895  Clinical Seminar I  
Summer. 2(2-0) P: NUR 886  
Anesthesia management plans and outcomes. Evaluation of research and other literature pertinent to the safe practice of anesthesia.

896  Clinical Seminar II  
Fall. 2(2-0) P: NUR 885  
Review of research literature relevant to the safe practice of anesthesia. Presentation of case studies as related to pathophysiological states and safe anesthesia delivery.

897  Clinical Seminar III  
Spring. 2(2-0) P: NUR 896  
Review of research literature and clinical projects relevant to the safe practice of anesthesia. Presentation of scholarly project.

898  Master’s Thesis Research  
Fall, Spring. 1 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: NUR 811 R: Open only to masters students in the College of Nursing. Approval of college. Master's thesis research.

901  Knowledge Development in Nursing  
Fall. 3(3-0) R: Open only to doctoral students in the College of Nursing or approval of college. Development and growth of substantive knowledge within nursing. Middle range theories. Strategies for concept development and theory testing in nursing research for understanding health status and health outcomes for individuals, families and community-based primary care.

910  Health Status Outcomes: The Individual and Family  
Spring. 3(3-0) R: Open to doctoral students or approval of college. Measurement and conceptual underpinnings of health status outcomes for individuals and families across the life span. Focus on well-being in health and illness within the health care system.

911  Health Status Outcomes: Community/Primary Care  
Fall. 3(3-0) R: Open to all doctoral students or approval of college. Measurement of health status outcomes for populations across the life span within the community based primary care systems. Measurement and evaluation issues related to the costs of intervention to impact outcomes.

920  Translation of Research and Scientific Knowledge to a Community Setting  
Spring. 3(3-0) R: Open to doctoral students in the Nursing major or approval of college. Systematic approach to translating evidenced based knowledge to inform nursing clinical practice, policy and delivery system change. Translation strategies to enhance public health status and health outcomes.

930  Methods In Clinical Research  
Spring. 3(3-0) R: Open to doctoral students in the College of Nursing or approval of college. Advanced research designs, measurement and data collection strategies. Draws on a broad range of behavioral and health disciplines relevant to nursing. Logic of statistical models used in the evaluation of research designs and measures.

940  Research Practicum  
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open to doctoral students in the Nursing major or approval of college. Participation in ongoing funded research as a member of an interdisciplinary research team.

945  Doctoral Seminar I  
Fall. 1(1-0) R: Open to graduate students in the Nursing major or approval of college. Socialization and immersion into doctoral study and research environment while completing Master’s level courses or for other special students.

946  Doctoral Seminar II  
Spring. 1(1-0) R: Open to graduate students in the Nursing major or approval of college. Socialization and immersion into doctoral education and research environment while completing Master’s and beginning level courses, building on NUR 945 content.

950  Nursing Research Seminar I  
Fall. 1(1-0) R: Open to doctoral students in the College of Nursing or in the Nursing major or approval of college. Socialization of doctoral study and research environment. Roles and responsibilities of clinical nurse researcher. Pragmatic facets of research process and environment.

951  Nursing Research Seminar II  
Spring. 1(1-0) P: NUR 950 R: Open to doctoral students in the College of Nursing or in the Nursing major or approval of college. Continuation of NUR 950. Socialization to doctoral study and research environment. Responsibilities of clinical nurse researcher including responsible conduct of research. Synthesis of course work and relevant research methodologies into own research. Dissemination of research.

960  Scientific Foundations of Nursing  
Fall. 3(3-0) R: Open to doctoral students in the College of Nursing. Critically examines factors contributing to the evolution of the development of nursing. Analyze philosophical, epistemological and historical influences on the profession.

961  Leadership I: Organizational Leadership  
Fall. 3(3-0) R: Open to doctoral students in the College of Nursing. Analysis and evaluation of organization and leadership theories and their relationship to complex health care systems. Strategies for effective leadership include systems thinking, organizational culture, communication, resource utilization, ethics, and change models required to lead cost-effective quality and safety improvements within health care organizations and in an interdisciplinary environment.
Analytical Methods for Evidence-Based Practice
Fall. 3(3-0) P: NUR 960 or concurrently R: Open to doctoral students in the College of Nursing.
Integrate and critically evaluate knowledge from diverse sources to develop the best evidence-based practice guidelines for improving health outcomes. Explore rigorous methodologies to design, implement, and evaluate evidence-based interventions.

Leadership II: Leadership in Complex Healthcare Organizations
Fall. 3(3-0) P: NUR 961 R: Open to doctoral students in the College of Nursing.
Interprofessional collaboration within complex healthcare organizations and systems to transform the delivery of health care to improve access, quality, and safety across diverse populations. Strategies to address organizational challenges and facilitate system wide changes important to the practice environment of the advanced practice nurse will be explored. Group dynamics within health care organizations and communities will be examined with an emphasis on communication patterns, resource allocation, strategic planning, and quantitative decision making models to formulate policy.

DNP Practicum I
Spring. 3 credits. P: NUR 960 and NUR 961 R: Open to doctoral students in the College of Nursing.
Provides the clinical opportunity to analyze, synthesize, and implement integrated nursing knowledge and skills in achieving patient and health system outcomes system’s assessment and needs analysis within the healthcare environment.

DNP Practicum II
Spring. 3 credits. P: NUR 964 R: Open to doctoral students in the College of Nursing.
Builds on NUR 964. Provides opportunities to engage in increasingly complex organizational projects. Participates in implementation of evidence-based initiatives to improve health outcomes and system effectiveness.

Special Problems
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course. R: Open to doctoral students in the College of Nursing or approval of college.
Individual or group in-depth study of specific areas in nursing research.

Special Topics
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open to doctoral students in the Nursing major or approval of college.
Special topics which supplement regularly-offered courses.

Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 24 credits. R: Open only to doctoral students in the College of Nursing or approval of college.
Original research of student under supervision of major advisor.