NURSING

College of Nursing

205 Introduction to Professional Nursing
Fall, Spring, Summer. 4(4-6) P: (PSY 101) and (HDFS 225 or PSY 238) RB: Not open to RN-BSN students. R: Open to students in the Nursing Major.

Principles and practices of holistic nursing care that allow for analysis of a comprehensive collection of patient data to provide basic clinical care to the adult population.

220 Introduction to Nursing Scholarship
Fall, Spring. 2(2-0) RB: Open to other majors with College approval. R: Open to students in the Pre nurs ing 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.

300 Pathophysiology
Fall, Spring, Summer. 4(4-6) P: (ANTR 350) and (PSL 310 or PSL 250) RB: Preprofessional students entering patient care disciplines. SA: NUR 341 Not open to students with credit in NUR 301.

How disrupting normal structures and functions of the human body leads to disease processes from the cellular to the multisystem level. Critical examination of the mechanisms underlying signs and symptoms.

301 Clinical Pathophysiology
Fall, Spring, Summer. 4(4-6) P: (PSL 250 or PSL 310) or (PSL 431 and PSL 432) and ANTR 350 R: Open to students in the College of Nursing. Not open to students with credit in NUR 301.

How disrupting normal structures and functions of the human body leads to disease processes from the cellular to the multisystem level. Critical examination of the mechanisms underlying signs and symptoms of diseases.

322 Nursing Care of Acute and Chronically Ill Patients I
Fall, Spring, Summer. 4(4-6) P: NUR 301 or NUR 300 C: NUR 205 concurrently and PHM 350 concurrently.

Focuses on using the nursing process and clinical judgment at a beginning level to provide care for acute and chronically ill patients.

323 Nursing Care of the Acute and Chronically Ill Patients II
Fall, Spring, Summer. 5(2-9) P: (NUR 300 or NUR 301) and (NUR 205 and PHM 350)

Nursing process and clinical judgment to provide care for critically and acutely ill adult patients at a novice level.

324 Health Promotion and Disease and Injury Prevention I
Fall, Spring, Summer. 3(2-3) P: HDFS 225 and HNF 150 C: NUR 205 concurrently and NUR 322 concurrently.

Principles and practices of health education, health promotion/behavior change, and health literacy through understanding epidemiology, determinants of health, and protective and predictive factors of health and well-being.

325 Transitions to BSN Practice
Fall, Spring. 2(2-0) P: NUR 300 or NUR 301 R: Open to students in the Nursing Major.

Application of curricular concepts to nursing practice, role differentiation and contribution of BSN nurse to healthcare.

332 Nursing Care of Acute and Chronically Ill Patients II
Fall, Spring. 5(2-9) P: (NUR 322 and NUR 324) and (MMG 201 or MMG 301) C: NUR 334 concurrently and NUR 371 concurrently.

Focuses on using the nursing process and clinical judgment at an intermediate level to manage care for acute and chronically ill patients.

333 Health Promotion
Fall, Spring, Summer. 4(3-3) P: (HNF 150 and PHM 350 and NUR 205 and NUR 301) and (HDFS 225 or PSY 238) C: NUR 334 concurrently and PHM 350 concurrently.

Principles and practices of health promotion/risk reduction through understanding and developing health capacity for populations, families, and individuals.

334 Health Promotion and Disease and Injury Prevention II
Fall, Spring. 3(2-3) P: NUR 322 and NUR 324 C: NUR 332 concurrently and NUR 371 concurrently.

Principles and practices of health promotion, risk reduction, and injury prevention to provide nursing care for individuals, families, and communities across the lifespan.

336 Health Promotion for the BSN
Spring, Summer. 4(4-0) RB: Registered Nurse admitted to the RN-BSN program. R: Open to students in the Nursing Major.

Introduction to evidence-based practice and research methodology to inform ethical nursing practice.

351 BSN Impact on Healthcare
Fall, Spring. 3(3-0) R: Open to undergraduate students in the College of Nursing.

Application of curricular constructs to nursing practice, role differentiation and contribution of the BSN nurse to healthcare.

352 Genetics: Transforming Healthcare
Fall, Summer. 3(3-0) R: Open to undergraduate students in the College of Nursing or approval of college.

Competencies and concepts in genetics and genomics for providing care to individuals, families and communities.

353 BSNs Promoting Health Across the Care Continuum
Fall, Spring. 3(3-0) R: Open to undergraduate students in the College of Nursing.

Health promotion and risk reduction of individuals across the lifespan in the context of their families and environments including those from diverse and vulnerable populations.

354 Research, Ethics and EBP for Nurses
Fall, Spring. 3(3-0) R: Open to undergraduate students in the College of Nursing.

Introduction to basic research methodology and application required.

355 Integrative Seminar I
Spring, Summer. 2(2-0) P: NUR 325 and NUR 340 R: Open to students admitted to the RN-BSN program. R: Open to students in the Nursing Major.

Examination of the relationship between health and the care of persons with mental illnesses.

356 Research and Evidence-Based Practice
Fall, Spring. 2(2-0) P: (STT 200 or STT 201 or NUR 332 or NUR 334 or NUR 371) and completion of Tier I writing requirement C: NUR 436 concurrently and NUR 437 concurrently and NUR 445 concurrently.

Introduction to basic research methodology and how it informs evidence-based nursing practice.

422 Nursing in London
Summer. 6(6-0) 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.
Prepares advanced practice nurses to be proficient in the ethical and clinical application of risk factors, pathophysiological changes, and associated signs and symptoms. Pathophysiological theories and research as a basis for advanced practice nursing.

806 Research for Advanced Practice Nurses
Fall, Spring. 3(3-0) R: Open to graduate students in the College of Nursing. Prepares advanced practice nurses to be proficient in the ethical and clinical application of research including problem identification and critically evaluate the evidence to provide high quality care and improve practice.

807 Clinical Decision Making
Spring, Summer. 3(1-6) P: (NUR 805) and (NUR 820 or NUR 835 or NUR 860) R: Open to master’s 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 benefit 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 systems organization, financing, regulation, ethics, and delivery of services within a global society.

820 Health Assessment of the Family
Fall. 3(4-0) RB: Open only to students in the Nurse Practitioner concentration. R: Open to master’s students in the Nurse Practitioner Graduate Certificate or in the Master of Science in Nursing. 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 master’s 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. 8(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 Integration of assessment and applied theory in primary care management of clients across the life span. Collaborative model of primary care practice. Health promotion, health maintenance management, and risk reduction strategies for individuals within the context of family. Single acute condition focus. Problem-oriented format for organizing client data.

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 and 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.
### 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 Health Care Continuum
**Spring. 1(1-0) P: NUR 802 R:** Open to graduate students in the Master of Science in Nursing or approval of college; application required. 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.

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

### 861 Curriculum Design in Nursing Education
**Summer. 3(3-0) P: NUR 802 RB:** Open only to master's students in Clinical Nurse Specialist-Nurse Education Concentration. R: Open to graduate students 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 Internship
**Fall. 8(2-18) P: NUR 807 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. 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.

### 866 Academic and Clinical Teaching Internship
**Spring. 3(1-6) P: NUR 861 RB:** Open only to master's 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.

### 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 emergencies. Experiences include introduction to the role of the nurse anesthetist and development of basic nurse anesthetist skills.

### 877 Anesthesia Physiology and Pathophysiology
**Spring. 3(3-0) R:** Approval of college. Physiological principles and pathophysiological relationships of body systems. Evaluation of co-existing pathophysiology.

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

### 879 Chemistry and Physics of Anesthesia
**Spring. 3(0-1) 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** Physics and mechanics of mechanical and electronic anesthesia delivery systems. Physical principles involved in the vaporization and distribution of volatile liquids. Anesthesia ventilators and breathing circuits. Risk management and analysis of resuscitative equipment.

### 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
**Spring, 1(0-7) 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 master's 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: Approval of college. 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 master's students in the College of Nursing or approval of college. SA: NUR 591** Selected issues, trends, programs, or theories in nursing.
Individualized faculty-guided instruction in the development of advanced skills specific to the role of the nurse anesthetist. Experiences include development of advanced skills specific to the role of the nurse anesthetist. Experiences include development of advanced skills specific to the role of the nurse anesthetist. Clinical application of principles of nurse anesthesia skills. Demonstrated substantial progress toward self-directed and independent practice. 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. 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. Anesthesia management plans and outcomes. Evaluation of research and other literature pertinent to the safe practice of anesthesia. Review of research literature relevant to the safe practice of anesthesia. Presentation of case studies as related to pathophysiologic states and anesthetic safety. Review of research literature pertinent to the safe practice of anesthesia. Presentation of scholarly project. Analysis and translation of knowledge gained from the natural and social sciences to inform practice and provide a foundation for the Advanced Practice Nurse role.
Clinical Diagnosis and Management

Principles and management strategies used to construct personalized care plans for individuals including diverse and at risk populations across the lifespan.

Clinical Diagnosis and Management IV – Family

Integrates evidence-based strategies to deliver collaborative primary care practice across the wellness/illness continuum with patients across the lifespan.

Clinical Diagnosis and Management V – Clinical Immersion – Family

Evidence-based management of chronic stable and complex problems within collaborative practice in complex health systems across the lifespan.

Translation of Research and Scientific Knowledge to a Practice Setting

Systematic approach to translating evidenced based knowledge to inform nursing practice, policy and delivery system change. Translation strategies to enhance health outcomes in the areas of wellness, risk reduction and chronic illness.

Scientific Foundations of Nursing Knowledge Development

Philosophical, epistemological, ontological, and ethical foundations of nursing. Historical factors and new perspectives in the evolution of nursing theory.

Wellness and Risk Reduction Behaviors

Current state of the science related to wellness and risk reduction behaviors and interventions to improve health outcomes for various populations across the lifespan.

Self and Symptom Management in Chronic Illness

Current state of the science related to self and symptom management and interventions to improve chronic illness outcomes for various populations across the lifespan.

Designing Interventions for Improving Health Outcomes

Integration of health assessment and diagnostic testing to formulate differential diagnoses for common health conditions/problems in adults and older adults.

Clinical Diagnosis and Management I – Adult-Gerontology

Integration of assessment and intervention strategies for health promotion and common problems in the clinical setting for adults and older adults.

Clinical Diagnosis and Management II – Adult-Gerontology

Integration of health assessment and diagnostic testing to formulate differential diagnoses for common health conditions/problems in adults and older adults.

Clinical Diagnosis and Management III – Adult-Gerontology

Principles and management strategies used to construct personalized care plans for individuals including diverse and at risk populations with adults and older adults.

Clinical Diagnosis and Management IV – Adult-Gerontology

Integrates evidence-based strategies to deliver collaborative primary care practice across the wellness/illness continuum for adults and older adults.

Clinical Diagnosis and Management V – Clinical Immersion – Adult-Gerontology

Evidence-based management of chronic stable and complex problems within collaborative practice in complex health systems across the lifespan.

Wellness Promotion for Diverse Populations

Advanced research designs, measurement and data collection strategies for a broad range of behavioral and health disciplines relevant to wellness, risk reduction, and chronic illness.

Methods In Clinical Research

Clinical Nurse Specialist Advanced Practice Role Development I

Role development of the Clinical Nurse Specialist as an applied nurse scientist, expert in nursing practice and professional leader.

Clinical Nurse Specialist Advanced Practice Role Development II

Role development of the Clinical Nurse Specialist expert in nursing practice, staff development, and quality improvement.

Clinical Nurse Specialist Advanced Practice Role Development III

Clinical application of the essential knowledge, skills, and values associated with the student-selected specialized practice role of the Clinical Nurse Specialist.
Clinical Nurse Specialist Specialty Improvement of Health Outcomes: Scientific Foundations Nursing Research Seminar II

Roles and responsibilities in the conduct of research. Socialization of student to doctoral study and re-search environment. Participation in ongoing funded research as a member of an interdisciplinary research team.

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.

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 student to doctoral study and research environment. Roles and responsibilities of clinical nurse researcher including responsible conduct of research.

Nursing Research Seminar II Spring. 1(1-0) R: Open to doctoral students in the College of Nursing or in the Nursing Major or approval of college. Socialization of student to doctoral study and research environment. Roles and responsibilities of clinical nurse researcher including responsible conduct of research.

Psychopharmacology and Neuropathological Basis of Mental Illness Summer. 3(3-0) R: Open to graduate students or lifelong graduate students in the College of Nursing. Advanced pharmacology and psycho-pharma-cotherapeutics and the putative neuropatho-physiology of common psychiatric illnesses that occur across the lifespan.

Clinical Diagnosis and Management I - Psychiatric Assessment and Diagnosis Fall. 6(3-9) P: NUR 907 and NUR 908 and NUR 909 and NUR 952 R: Open to graduate students in the College of Nursing. Mental health assessment and diagnostic screening to formulate differential diagnoses for common mental health conditions/problems across the lifespan.

Clinical Diagnosis and Management II - Evidence-Based Therapeutic Interventions Spring. 6(3-9) P: NUR 953 R: Open to graduate students in the College of Nursing. Assessment and intervention strategies for health promotion and common mental health problems in the clinical setting across the lifespan.

Clinical Diagnosis and Management III – Special Populations and Group-Summer. 6(3-9) P: NUR 954 R: Open to graduate students in the College of Nursing. Assessment, intervention, including group psychotherapy, and management strategies for special and vulnerable populations with mental health problems across the lifespan.

Clinical Diagnosis and Management IV – Complex and Collaborative Mental Health Care Fall. 6(2-12) P: NUR 955 R: Open to graduate students in the College of Nursing. Evidence-based strategies to deliver collabora-tive mental health care across the wellness/illness continuum with patients across the lifespan.

Clinical Diagnosis and Management V – Clinical Immersion – Psychiatric Mental Health Spring. 6(2-12) P: NUR 956 R: Open to graduate students in the College of Nursing. Evidence-based management of chronic stable and complex mental health problems within col-laborative practice in complex health systems across the lifespan.

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 in-fluences on the profession.

Leadership I: Organizational Leadership Summer. 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 ef-fective leadership include systems thinking, or-ganizational culture, communication, resource utilization, ethics, and change models required to lead cost-effective quality and safety improve-ments within health care organizations and in an interdisciplinary environment.

Analytical Methods for Evidence-Based Practice Summer. 3(3-0) P: NUR 960 or concur-rently 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.

Clinical Nurse Specialist Specialty Improvement of Health Outcomes: Scientific Foundations Nursing Research Seminar II

Roles and responsibilities in the conduct of research. Socialization of student to doctoral study and re-search environment. Participation in ongoing funded research as a member of an interdisciplinary research team.

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.

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 student to doctoral study and research environment. Roles and responsibilities of clinical nurse researcher including responsible conduct of research.

Nursing Research Seminar II Spring. 1(1-0) R: Open to doctoral students in the College of Nursing or in the Nursing Major or approval of college. Socialization of student to doctoral study and research environment. Roles and responsibilities of clinical nurse researcher including responsible conduct of research.

Psychopharmacology and Neuropathological Basis of Mental Illness Summer. 3(3-0) R: Open to graduate students or lifelong graduate students in the College of Nursing. Advanced pharmacology and psycho-pharma-cotherapeutics and the putative neuropatho-physiology of common psychiatric illnesses that occur across the lifespan.

Clinical Diagnosis and Management I - Psychiatric Assessment and Diagnosis Fall. 6(3-9) P: NUR 907 and NUR 908 and NUR 909 and NUR 952 R: Open to graduate students in the College of Nursing. Mental health assessment and diagnostic screening to formulate differential diagnoses for common mental health conditions/problems across the lifespan.

Clinical Diagnosis and Management II - Evidence-Based Therapeutic Interventions Spring. 6(3-9) P: NUR 953 R: Open to graduate students in the College of Nursing. Assessment and intervention strategies for health promotion and common mental health problems in the clinical setting across the lifespan.

Clinical Diagnosis and Management III – Special Populations and Group-Summer. 6(3-9) P: NUR 954 R: Open to graduate students in the College of Nursing. Assessment, intervention, including group psychotherapy, and management strategies for special and vulnerable populations with mental health problems across the lifespan.

Clinical Diagnosis and Management IV – Complex and Collaborative Mental Health Care Fall. 6(2-12) P: NUR 955 R: Open to graduate students in the College of Nursing. Evidence-based strategies to deliver collabora-tive mental health care across the wellness/illness continuum with patients across the lifespan.

Clinical Diagnosis and Management V – Clinical Immersion – Psychiatric Mental Health Spring. 6(2-12) P: NUR 956 R: Open to graduate students in the College of Nursing. Evidence-based management of chronic stable and complex mental health problems within col-laborative practice in complex health systems across the lifespan.

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 in-fluences on the profession.

Leadership I: Organizational Leadership Summer. 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 ef-fective leadership include systems thinking, or-ganizational culture, communication, resource utilization, ethics, and change models required to lead cost-effective quality and safety improve-ments within health care organizations and in an interdisciplinary environment.

Analytical Methods for Evidence-Based Practice Summer. 3(3-0) P: NUR 960 or concur-rently 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.

963 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 health care organizations and systems to trans-form the delivery of health care to improve ac-cess, quality, and safety across diverse popula-tions. Strategies to address organizational chal-lenges and facilitate system wide changes im-portant to the practice environment of the adv-anced 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.

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

965 DNP Practicum II Fall, Spring, Summer. 3 credits. P: NUR 960 and NUR 961 R: Open to doctoral students in the College of Nursing. Provides opportunities to engage in increasingly complex organizational projects. Participates in implementation of evidence-based initiatives to improve health outcomes and system effective-ness.

966 Applied Chemical and Physical Principles of Anesthesia Practice Fall. 3(3-0) R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major. Combined coverage of chemical and physical principles and their applied relationship to nurse anesthesia practice.

967 Basic Principles of Anesthesia Summer. 4(4-0) R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major. Fundamental anesthesia principles that underpin the development and implementation of a safe anesthetic plan.

968 Advanced Physiology and Pathophysiology for Anesthesia Practice I Spring. 4(4-0) R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major. Physiological basis of cellular and tissue func-tions and the consequences of their dysregu-la-tion on essential homeostatic processes in cells, compartments and primary organ systems.
969 Advanced Physiology and Pathophysiology for Anesthesia Practice II
Summer. 4(4-0) P: NUR 968 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
In-depth study of human physiology and pathophysiology using a systems approach. Emphasis is placed on those physiologic and pathophysiologic alterations that affect homeostasis in humans across the life span.

970 Pharmacology for Nurse Anesthesia I
Basic science of pharmacology used in anesthesia practice.

971 Pharmacology for Nurse Anesthesia II
Fall. 3(3-0) P: NUR 970 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Advanced principles of anesthesia and pharmacology and the synthesis of these concepts into a safe, cost-effective, patient-specific delivery plan.

972 Advanced Principles of Anesthesia I
Fall. 3(3-0) P: NUR 967 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Anesthetic delivery to patients with increasing comorbidities and complex anesthetic needs. Advanced anesthetic management, regional anesthesia, and chronic pain management.

973 Advanced Principles of Anesthesia II
Spring. 3(3-0) P: NUR 972 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Advanced concepts related to nurse anesthesia practice including management of pediatric, obstetric, neurologic, trauma, vascular and cardiothoracic procedures.

974 Introduction to Clinical Practicum
Summer. 1(0-0) R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major. C: NUR 967 concurrently.
Application of basic anesthesia cognitive, affective, and psychomotor skills in a simulated environment.

975 Clinical Anesthesia Practicum I
Fall. 3(3-0) P: NUR 974 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Integration of theory with practice in a clinical and simulated setting with emphasis on basic principles of anesthesia and professional standards of practice for the certified registered nurse anesthetist.

976 Clinical Anesthesia Practicum II
Spring. 2(0-16) P: NUR 975 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Supervised instruction in the clinical management of patients receiving all types of anesthesia in a variety of clinical settings.

977 Clinical Anesthesia Practicum III
Summer. 3(0-24) P: NUR 976 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Supervised instruction in the clinical management of medically complex patients undergoing surgical and diagnostic procedures.

978 Clinical Anesthesia Practicum IV
Fall. 4(0-32) P: NUR 977 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Supervised instruction in the perioperative clinical site. Development of advance skills with an emphasis on specialty areas such as cardiovascular, neurosurgical, trauma, obstetrics and pediatrics.

979 Clinical Anesthesia Practicum V
Spring. 4(0-32) P: NUR 978 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Supervised clinical practicum for patients undergoing complex surgical procedures using the entire spectrum of anesthesia practice.

980 Clinical Anesthesia Practicum VI-
Summer. 4(0-32) P: NUR 979 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Supervised clinical practicum on professional aspects of nurse anesthesia and team leadership.

981 Anesthesia Seminar I
Spring. 3(3-0) P: NUR 979 or concurrently R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Professional aspects related nurse anesthesia practice. Focus on historical perspectives, professional role, anesthesia business practices and professional wellness.

982 Anesthesia Seminar II
Summer. 3(3-0) P: NUR 981 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
A comprehensive review and synthesis of anatomy, chemistry, physics, pharmacology, physiology and pathophysiology and principles of anesthesia in preparation for the national certification exam.

983 Doctor of Nursing Practice Synthesis Project
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 16 credits in all enrollments for this course. R: Open to doctoral students in the College of Nursing. Demonstrate synthesis of didactic coursework and application to practice by learning a practice change innovation to address a health care problem and improve health outcomes.

984 Advanced Clinical and Research Skills
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.

985 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.

994 Effectiveness Interdisciplinary Research Collaborations
On Demand. 3(3-0) Interdepartmental with Communication Arts and Sciences and Engineering. Administered by Communication Arts and Sciences. RB: Students should have background or expertise in technology, nursing, health, and/or communication. Students should have applied research interests. R: Open to graduate students in the College of Communication Arts and Sciences and open to graduate students in the College of Engineering and open to graduate students in the College of Nursing.

Interdisciplinary research methods, techniques, approaches, and funding. Applied research on issues that crosscut communication, nursing, and engineering.

995 Doctor of Nursing Practice Project I
Summer. 4(2-4) P: (NUR 902 and NUR 903 and NUR 905 and EPI 810) and (NUR 916 or NUR 926 or NUR 934 or NUR 976) R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Introduction of the scholarly practice project for the advanced practice nurse.

996 Doctor of Nursing Practice Project II
Fall. 3(0-6) P: NUR 904 and NUR 906 and NUR 995 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Implementation of the scholarly practice project for the advanced practice nurse.

997 Doctor of Nursing Practice Project III
Fall, Spring, Summer. 1 to 24 credits. R: Open only to doctoral students in the College of Nursing or in the Master of Science in Nursing or in the Nursing Practice Major.
Evaluation and dissemination of the scholarly practice project for the advanced practice nurse.

998 Application of Scientific Knowledge in a Clinical Practicum
On Demand. 1 to 3 credits. R: Open to doctoral students in the College of Nursing. Advanced clinical and research skills needed to identify clinical problems and develop research questions to advance science related to improving health outcomes.

999 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.