### 110 Exploring Nursing
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.

#### 202 Introduction to Nursing Practice I
Fall. 2(1-3) R: Open only to students in the College of Nursing.
Theoretical concepts of nursing necessary for professional practice. Assessment, interpersonal communication, documentation, and decision-making.

#### 204 Introduction to Nursing Practice II
Spring. 4(2-6) P: NUR 202 and (PHM 350 or concurrently) C: PHM 350 concurrently.
Nursing practice concepts in simulated and clinical practice settings. Development of nursing practice psychomotor skills.

#### 215 Core Competencies in Nursing I
Fall, Spring. 1(1-0) R: Open only to students in the College of Nursing.
Assessment core nursing competencies applying natural, social and nursing science.

#### 300 Pathophysiology
Fall, Spring, Summer. 4(4-0) P: (ANTR 350) and (PSL 310 or PSL 250) RB: Preprofessional 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.

#### 303 Concepts of Nursing Care of the Adult
Fall, Spring. 4(4-0) P: NUR 204 and NUR 341 C: NUR 304 concurrently.
Family centered nursing care for adults at various levels of health and illness. Prototype health states with emphasis on associated nursing diagnosis and professional standards of care.

#### 304 Practicum in Nursing Care of the Adult
Fall, Spring. 4(0-12) P: NUR 204 and NUR 341 C: NUR 303 concurrently.
Nursing care of the adult client with an emphasis on health promotion, disease prevention, care in acute and chronic illness, and rehabilitation.

#### 305 Concepts of Nursing Care of the Childbearing Family
Fall, Spring. 2(2-0) P: NUR 204 and NUR 341 C: NUR 306 concurrently.
Concepts of holistic nursing care with culturally diverse childbearing families during the prenatal, intrapartum, and postpartum periods. Concepts of health promotion and risk factors in client care situations.

#### 306 Practicum in Nursing Care of the Childbearing Family
Fall, Spring. 3(0-9) P: NUR 204 and NUR 341 C: NUR 305 concurrently.
Practicum in nursing care with culturally diverse childbearing families during the prenatal, intrapartum and postpartum periods. Implementation of nursing process in various settings. Levels of risk reduction and health promotion.

#### 307 Concepts of Nursing Care of Children and Their Families
Fall, Spring. 2(2-0) P: NUR 204 and NUR 341 C: NUR 306 concurrently.
Theory and concepts related to the holistic care of children (infancy through adolescence) and their families.

#### 308 Practicum in Nursing Care of Children and Their Families
Fall, Spring. 3(0-9) P: NUR 204 and NUR 341 C: NUR 307 concurrently.
Clinical application of the theoretical concepts presented in NUR 307. Variety of health settings will be utilized for clinical practice.

#### 313 Transition to Baccalaureate Nursing and Online Learning
Fall. 1(1-0) R: Open only to students in the RN tracking major.

#### 315 Core Competency in Nursing II
Fall, Spring. 1(1-0) P: NUR 215 R: Open only to students in the College of Nursing.
Continuing assessment core of nursing competencies integrating natural, social, and nursing science.

#### 316 Health and Physical Assessment
Fall, Spring. Open only to students in the RN tracking major.
Health and physical assessment, documentation and interpersonal skills. Concepts of aging and cultural competence within the context of clinical decision-making.

#### 319 Introduction to Nursing Theory and Research
Spring. 3(3-0) P: (STT 200 or STT 201) or completion of Tier I writing requirement R: Open only to students in the College of Nursing.
Major nursing theories and their application to practice. The research process, terminology and investigations undertaken in nursing.

#### 330 Health Assessment and Nursing Therapeutics
Fall, Spring. 7(3-10) P: NUR 300 C: PHM 350 concurrently or NUR 350 concurrently or 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 findings by system across the lifespan.

#### 335 Health Assessment
Spring. 3(2-3) R: Registered Nurse admitted to the RN-BSN program. R: Open to students in the Nursing major. Not open to students with credit in NUR 316.
Baccalaureate-level knowledge and skills needed to assess the health and wellness status of individuals and families across the lifespan and from diverse and vulnerable populations. Influence of genetic, genomics, culture, environment, and aging.

#### 340 Foundations of Nursing Practice
Fall, Spring. 4(4-0) P: (NUR 300) and completion of Tier I writing requirement C: PHM 350 concurrently or NUR 330 concurrently or NUR 350 concurrently.
Theories and principles underlying professional nursing practice. Development of basic principles for using empirical evidence and the research process to guide practice.

#### 341 Clinical Problems in Adaptation
Spring. 3(3-0) R: Open only to students in the College of Nursing. Not open to Pre-Nursing majors.
Theoretical concepts related to individual’s adaptive maladaptive responses to stress. Emphasis on pathophysiology.

#### 350 Level I Integrative Seminar
Fall, Spring. 1(2-0) R: Open to students in the Nursing major. C: NUR 330 concurrently and NUR 340 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.

#### 355 Integrative Seminar I
Summer. 2(4-0) P: NUR 300 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 350. C: NUR 340 concurrently.
Integration of concepts and theories of baccalaureate nursing practice. Examination of dynamic interrelationships among professional, scholarly nursing practice, and the health and wellness of diverse persons and populations. Synthesis of content with previous knowledge.

#### 360 Acute Nursing Care of Adults and Older Adults
Fall, Spring. 8(4-12) P: NUR 350 C: NUR 370 concurrently or NUR 380 concurrently.
Intensive theory course integrating foundational pharmacology, pathophysiology, and first level nursing courses. Addressing acute and chronic conditions in an acute care setting.

#### 370 Medical Health and Psychiatric Nursing
Fall, Spring. 4(2-6) P: NUR 350 and NUR 330 and NUR 340 and PHM 350 C: NUR 360 concurrently or NUR 380 concurrently.
Extension of foundational science concepts into nursing therapeutics aimed at mental health and the care of persons with mental illnesses. Medication and non-medication interventions, group interventions, and therapeutic environments.

#### 380 Level II Integrative Seminar
Fall, Spring. 1(2-0) P: NUR 350 C: NUR 360 concurrently or NUR 370 concurrently.
Integration of concepts and theories into nursing practice. Dynamic interrelationship between professional, scholarly nursing practice, and health and wellness of diverse adults with medical-surgical and psychiatric illnesses.
Nursing—NUR

400 Pharmacology for Nurses
Fall, Spring. 3(3-0) P: NUR 313 and NUR 319 and NUR 341
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.

401 Aging and Health in the United States
Spring. 3(3-0)
Aging and health in the United States from an individual, family and societal perspective. Examination of selected normal aging changes, theories, concepts, myths and factors associated with healthy aging and quality of life.

402 International Health
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.

407 Concepts in Community Health Nursing
Summer. 2(2-0) P: NUR 313 and NUR 316 and NUR 341 and NUR 400 R: Open only to students in the RN tracking major.
Theoretical foundation for contemporary community and public health nursing practice.

409 Concepts of Psychiatric, Mental, and Community Health Nursing
Fall, Spring. 4(4-0) P: Completion of Tier I writing requirement. R: Open only to students in the College of Nursing. Not open to PreNursing majors.
Health care trends and issues in public and mental health. Role, responsibilities, and activities of nurses in the provision of care in public and mental health.

410 Practicum in Community Health Nursing
Fall, Spring. 3(0-9) P: Completion of Tier I writing requirement. R: Open only to students in the College of Nursing. Not open to PreNursing majors. C: NUR 409 concurrently.
Clinical experience in community health nursing focusing on application of public health and nursing principles in the care of individuals, families and aggregates in a variety of settings.

412 Practicum in Psychiatric and Mental Health Nursing
Fall, Spring. 3(0-9) R: Open only to students in the College of Nursing. Not open to Pre-Nursing majors. C: NUR 409 concurrently.
Theoretical perspectives of behavior applied to mental health nursing in a practice setting. Advanced concepts of communication. Use of self, group and milieu are used to define the nurse's role.

413 Issues in Professional Nursing
Fall, Spring. 2(2-0) P: Completion of Tier I writing requirement. R: Open only to students in the College of Nursing.
Past, current, and future impact of selected legal, economic, educational, social, political, ethical, and professional forces on health care and nursing practice at local, national, and international levels.

415 Core Competencies in Nursing III
Fall, Spring. 1(1-0) P: NUR 315 R: Open only to students in the College of Nursing.
Advanced assessment core of nursing competencies synthesizing natural, social, and nursing science.
Advanced-level concepts and theories of baccalaureate nursing practice. Dynamic interrelationships among professional, scholarly nursing practice, and the health and wellness of diverse populations.

Exploration of selected issues in nursing.

Conceptual and theoretical frameworks and their applicability to advanced nursing practice, teaching, and research.

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.

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.

Clinical assessment component of the nursing process to analyze the health status of children and adults across the lifespan. Collaborative model of primary care practice. Integration and synthesis of relevant frameworks.

Advanced assessment component of the nursing process to analyze the health status of children and adults across the lifespan. Collaborative model of primary care practice. Integration and synthesis of relevant frameworks.

Health promotion, disease prevention, and single acute problems of individuals within the context of family. Increasingly independent decision making with preceptor validation.


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.


852 Practicum I: Primary Care for the Adult
Fall, 6(0-18) P: NUR 851

853 Primary Care Management of the Adult II
Fall, 3(3-0) P: NUR 852
Principles and issues of health care management for adult advanced practice nurses in primary care. Health care management of adults with chronic, stable and/or multiple complex problems. Integration and synthesis of relevant frameworks.

854 Practicum For Primary Care Adult
Advanced Practice Nurses II
Spring, 7(0-21) P: NUR 853 R: Open only to students in the Master of Science degree in Nursing. Integration and application of assessment and relevant conceptual and theoretical frameworks in the primary care management of adults within the context of family using a "collaborative model" of primary care practice. Management of complex and stable chronic health problems. Independence in practice. Independent decision making with preceptor validation.

860 Physical Assessment for Clinical Nurse Specialist
Fall, 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
Spring, 3(3-0) P: NUR 801 RB: Open only to 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(2-16) P: NUR 801 and NUR 803 and NUR 805 and NUR 809 and NUR 815 and NUR 860 R: 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. 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 882 and (NUR 841 or concurrently) and NUR 801 and NUR 803 and NUR 805 and NUR 809 and NUR 815 and NUR 860 R: 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. 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) R: Approval of college. 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
Fall, 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

871 Evidenced Based Care Management
Fall, Spring, 4(4-0) R: Open only to students in the Master of Science in Nursing or approval of college. Framework for integrating evidence-based care for groups of clients and client populations into an individualized multidisciplinary plan of care.

872 Leading for a Quality Environment
Fall, Spring, 3(3-0) R: Open only to students in the Master of Science in Nursing or approval of college. Leadership and change theories that facilitate collaboration among interdisciplinary health team members. Delegation, supervision, interdisciplinary care, group dynamics, conflict resolution, collaboration, communication, team building, and skills in quality improvement processes within the healthcare setting.

873 Clinical Nurse Leader Residency
Fall, Spring, 8(0-24) P: NUR 871 and NUR 872 R: Open to students in the Master of Science in Nursing. Intense immersion at the point of care. Application of theory and research-based knowledge and skills related to nursing leadership, clinical outcomes management, and care environment management.

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

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(3-6) 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

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 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.

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.
Clinical Practicum I
Summer. 7(0-35) P: NUR 886
Individualized faculty-guided instruction in the management of patients receiving anesthesia, emphasizing safety, monitoring modalities, and daily anesthesia management plans.

893 Specialty Practicum I
Fall. 7(0-35) P: NUR 892
Integration of didactic curriculum and clinical experiences in general and regional sub-specialty practice during regular and off-shift procedures. Care of the obstetrical, pediatric, neurosurgical, and trauma patient.

894 Specialty Practicum II
Spring. 7(0-35) P: NUR 893
Faculty-supervised independent clinical practice focusing on the entire spectrum of anesthesia care, including pain management, in outpatient clinic, emergency, parturient, neonatal, and traumatic practice settings.

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 895
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.

899 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. R: Open to doctoral students in the Nursing major or approval of college.

900 Knowledge Development in Nursing
Fall. 3(0-3) 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.

901 Health Status Outcomes: The Individual and Family
Spring. 3(0-3) R: Open to all 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 community based primary care.

902 Health Status Outcomes: Community/Primary Care
Fall. 3(0-3) 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(2-3) R: Open to doctoral students in the Nursing major or approval of college.
The systematic application of scientific knowledge to inform clinical practice, policy and delivery system changes to enhance the health status and health outcomes of community populations. Translation strategies include dissemination, networking, program development and evaluation. Opportunities for translation will occur in primary health care, organizational and governmental systems.

930 Methods In Clinical Research
Spring. 3(2-3) R: Open to all doctoral students 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. 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.

990 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.

991 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.

999 Doctoral Dissertation Research
Fall, Spring. 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.