

Nursing

Courses

NURSE 1000 Cultural Diversity in Healthcare: 3 semester hours

This course introduces cultural congruence across the lifespan. Transcultural nursing concepts will be examined, as well as theories & practices in relationship to human caring. Application and analysis of health care practices within selected cultural contexts are explored.

NURSE 1010 Orientation To Nursing: 0 semester hours

Prerequisites: Admission to four-year baccalaureate program. This mandatory eight-week introduction to the nursing program provides a comprehensive orientation to the program. Students are introduced to the academic and clinical expectations of the curriculum. Concerns critical for academic success (i.e., time management, effective study skills, stress management and dealing with test anxiety) are addressed.

NURSE 1050 Communication for the Healthcare Professional: 3 semester hours

This course focuses on the development of communication skills utilized in professional nursing. The individual's relationship with self, individuals, communities, and populations are discussed. Communication and collaboration concepts in nursing are introduced to develop effective human caring relationships with diverse populations.

NURSE 2000 Nutrition in Health: 3 semester hours

This course examines nutritional needs across the illness and wellness continuum with emphasis on nutritional principles related to health promotion and protection. Content includes assimilation, digestion and absorption of nutrients, and cultural and economic influences on dietary practices across the lifespan.

NURSE 2050 Pathophysiology: 3 semester hours

Prerequisites: BIOL 1141 and BIOL 1162. This course focuses on the normal processes and mechanisms operating within the human body. Explores the nature of disease, its causes and the bodily changes that accompany. The course includes general principles of disease, diseases specific to internal organs, and the clinical implications.

NURSE 2101 Introduction to Nursing: 2 semester hours

This course introduces the historical and theoretical development of nursing as a discipline. Nursing is examined as a dynamic practice profession. Variables that influence nursing and health care are discussed. Concepts and skills introduced in this course guide the student's educational experience within the nursing major.

NURSE 2103 Nutrition and Health: 3 semester hours

This course examines nutritional needs throughout the life span with emphasis on nutritional principles related to health promotion and protection. Content includes assimilation, digestion and absorption of nutrients and cultural and economic influences on dietary practices.

NURSE 2105 Communication in the Nursing Profession: 3 semester hours

This course focuses on the development of communication abilities utilized in professional nursing. The individual's relationship with self, others and groups is discussed. Students learn verbal and non-verbal communication skills, self-awareness, and sensitivity to others. Interpersonal skills are introduced to enable the student to develop effective human caring relationships with a diverse population of clients and colleagues.

NURSE 3000 Health Promotion and Disease Prevention Concepts Across the Lifespan: 3 semester hours

Prerequisites: Admission to nursing clinical major. This course focuses on the role of the nurse in promoting health and reducing risk behaviors of individuals and families across the lifespan. Concepts of nutrition, physical activity, coping and stress management skills, social determinants of health, and health disparities will be examined with an emphasis on the impact of genetics, values, lifestyles and cultural influences. Patient education for health promotion, risk reduction, and disease prevention across the lifespan will be explored.

NURSE 3010 Foundations of Professional Practice: 3 semester hours

Prerequisites: Admission to the nursing clinical major. An introductory course to the discipline of professional nursing. Concepts of nursing process and clinical reasoning are introduced and explored within the context of the domain of nursing (person, environment, health, nursing).

NURSE 3020 Fundamental Concepts of Nursing Care: 3 semester hours

Prerequisites: Admission to nursing clinical major. Introduces fundamental evidence based nursing concept, skills, and standard of care that underpin the implementation phase of the nursing process. Course allows for students to acquire and practice the skills in a lab setting with the application of skills with patients in an assigned clinical setting.

NURSE 3030 Health Assessment Concepts: 3 semester hours

Prerequisites: Admission to nursing clinical major. This course integrates concepts related to theoretical knowledge and interpersonal skills in the assessment of clients, focusing on differentiating normal from abnormal findings. It emphasizes the use of problem solving, critical thinking, and cultural competency in identifying and documenting multidimensional health variations across the lifespan. The course includes a classroom component and laboratory experiences, including practice of psychomotor skills.

NURSE 3040 Concepts of Evidence-Based Practice: 3 semester hours

Prerequisites: Admission to nursing clinical major. This course focuses on utilizing evidence-based practice to promote health and wellness, illness, and prevent injury among individuals, families, communities, and populations. Emphasis is placed on education, collaboration, utilizing evidence in practice for quality improvement, and resource utilization. This course builds on content presented in previous coursework and increases the complexity of students' mastery of focus concepts.

NURSE 3050 Concepts of Pharmacology: 3 semester hours

Prerequisites: Admission to nursing clinical major. Building upon knowledge of illness and wellness concepts developed in previous coursework, students will learn to apply this knowledge to the pharmacotherapeutic component of caring for patients across the lifespan.

NURSE 3060 Behavioral Health Concepts: 5 semester hours

Prerequisites: NURSE 3020. This course focuses on mental health and illness across the lifespan for individuals experiencing emotional distress, crisis, and severe, persistent mental illness. Students will increase basic skills in interpersonal communication, decision-making, and professional behavior as they utilize theory concepts and research from nursing, psychology, pharmacology, and other disciplines in the provision of care to individuals, families, groups, and vulnerable populations. The course includes basic theory and clinical experiences in hospital and community settings. Students will complete 90 clinical hours.

NURSE 3070 Concepts of Caring for Adults I: 5 semester hours

Prerequisites: NURSE 3020. This course focuses on the nursing care of the adult patient experiencing selected pathophysiological processes affecting body regulatory mechanisms. These mechanisms are related to multiple concepts across the illness and wellness continuum. Emphasis is placed on health restoration, maintenance and support of chronic illness as well as the continued development of critical thinking processes, and evidence-based nursing practice. This course includes lecture and active learning within the classroom, as well as a clinical component. Students will complete 90 clinical hours.

NURSE 3101 Nursing and Health: 6 semester hours

Prerequisites: BIOL 1131; BIOL 1141; CHEM 1052; NURSE 1010, NURSE 3106; NURSE 3110; NURSE 3111. An introduction to the discipline of nursing, the historical and theoretical development of nursing is explored with an emphasis on critical thinking, the teaching/learning process, and foundational practice concepts. Through modular laboratory experiences, the student acquires psychomotor skills to provide safe and effective nursing care to clients promoting health and wellness. Includes classroom, laboratory and clinical experiences.

NURSE 3106 Assessment of Clients in Health and Illness: 4 semester hours

Prerequisites: BIOL 1131; BIOL 1141; BIOL 1162; CHEM 1052; PSYCH 1268; NURSE 1010. This course integrates theoretical knowledge and interpersonal skills in the assessment of clients, focusing on differentiating normal from abnormal findings. It emphasizes the use of problem solving, critical thinking and cultural competency in identifying multidimensional health variations across the life span. The course includes classroom and laboratory experiences.

NURSE 3110 Pathophysiological Bases of Nursing Practice: 3 semester hours

Prerequisites: BIOL 1131, BIOL 1141, BIOL 1162, CHEM 1052 (or equivalent); NURSE 1010. This course focuses on the nature of disease, its causes and the bodily changes that accompany it. The course includes a study of general principles of disease, specific diseases of individual organs and systems and the clinical implications.

NURSE 3111 Pharmacotherapeutics in Nursing Practice: 3 semester hours

Prerequisites: BIOL 1141, BIOL 1162, CHEM 1052, NURSE 1010; pre/co requisite: NURSE 3110. This course introduces key terminology, legal foundations, general principles and clinical applications of pharmacology.

NURSE 3120 Foundations of Nursing: 7 semester hours

Prerequisites: All general education requirements and accelerated nursing option prerequisite non-nursing courses. This course introduces the student to the theoretical concepts and foundations of professional nursing practice. Utilizing an integrated approach, health promotion and protection throughout the lifespan are explored and supported using theories of nursing practice, health assessment of well individuals, and general principles and concepts of pharmacology and critical thinking.

NURSE 3121 Clinical Foundations of Nursing: 3 semester hours

Prerequisites: NURSE 3120. This course assists in the development and application of clinical reasoning in the lab, clinical agency, and simulation environments. Through clinical learning experiences, the student acquires basic psychomotor, communication, and medication administration skills. The student applies these skills in the provision of safe and effective nursing care to clients while promoting health, wellness, and clinical reasoning.

NURSE 3205 Adult Health Nursing I: 5 semester hours

Prerequisites: All 3100 level nursing courses and PSYCH 1268. This course focuses on the nursing care of the adult experiencing selected pathophysiological processes affecting body regulatory mechanisms. These mechanisms are related to immune responses, problems of oxygenation: ventilation, transport and perfusion: kidney function; regulatory mechanisms and digestion absorption and elimination. emphasis is placed on health restoration, maintenance and support as well as the continued development of the nurse-client relationship, critical thinking processes, and research-based nursing practice. This course includes classroom and clinical activities in a variety of settings.

NURSE 3206 Adult Health Nursing II: 5 semester hours

Prerequisites: All 3100 level nursing courses, NURSE 3205, and PSYCH 1268. This course focuses on the nursing care of the adult experiencing selected pathophysiological processes affecting body regulatory mechanisms. These mechanisms are related to endocrine, sensory-perceptual, gynecological, and genitourinary functions. Emphasis is placed on health restoration, maintenance and support as well as the continued development of the nurse-client relationship, critical thinking processes, and research-based nursing practice. This course includes classroom and clinical activities in a variety of settings.

NURSE 3214 Psychiatric Mental Health Nursing: 4 semester hours

Prerequisites: All 3100-level nursing courses; PSYCH 1268. This course focuses on health and illness across the lifespan of clients who have acute and chronic emotional and psychosocial difficulties and psychiatric illnesses. The course emphasizes development of students' decisional capabilities, self-awareness and professional behaviors as they utilize theory and research from nursing, psychology and related disciplines for the provision of nursing care to individuals, families, & groups. Clinical experiences in community and acute care settings are designed for students to engage in individual and group strategies that promote and maintain mental health. Course includes classroom and clinical activities in a variety of settings.

NURSE 3215 Nursing of Women and Childbearing Families: 4 semester hours

Prerequisites: All 3100 level nursing courses, PSYCH 1268. Focuses on the childbearing family and women's reproductive health, including family dynamics and growth and development. Health promotion, protection, maintenance and restoration are covered in experiences that include hospital and community settings. Health care policy and systems as relevant to these populations are included. Course includes classroom and clinical activities in a variety of settings.

NURSE 3216 Child and Family Health Nursing: 4 semester hours

Prerequisites: All 3100 level nursing courses, PSYCH 1268. This course focuses on pediatric health and illness with emphasis on family dynamics, growth and development and communication with children and their families. Health promotion, protection, restoration, maintenance and support concepts are covered in experiences that include hospital and community settings. Health care policy and systems are studied as relevant to this population. Course includes classroom and clinical activities in a variety of settings.

NURSE 3330 Nursing of Adults I: 5 semester hours

Prerequisites: NURSE 3120, NURSE 3121. This course focuses on the nursing care of the adult experiencing health problems affecting body regulatory mechanisms. These mechanisms are related to perioperative processes, immune processes, problems of oxygenation, cardiovascular alterations, fluid and electrolyte/acid-base imbalances, integumentary problems, abnormalities of the reproductive system and genetics, oncology and hematology problems. This course also incorporates relevant concepts of pharmacology and pathophysiology related to these conditions. Emphasis is placed on health promotion and restoration, maintenance and support as well as the continued development of the nurse-client relationship, clinical reasoning, and evidence-based nursing practice across the adult life span.

NURSE 3331 Clinical Nursing of Adults I: 3 semester hours

Prerequisites: NURSE 3330. This course focuses on the nursing care of adults in the lab, clinical agency, and simulation environments. Utilizing an integrated approach, advanced nursing skills and assessment techniques for adult clients are mastered in perioperative processes, immune processes, problems of oxygenation, hematology, cardiovascular alterations, fluid and electrolyte/acid-base imbalances, integumentary problems, abnormalities of the reproductive system, genetics and oncology problems. Clinical reasoning is developed and applied in order to provide safe and effective nursing care to adult clients across the health/illness continuum.

NURSE 3340 Behavioral Health Nursing: 2.5 semester hours

Prerequisites: All 3100 level nursing courses and PSYCH 1268. This course focuses on health and illness across the lifespan of clients who have acute and chronic psychosocial and behavioral health issues and specific psychiatric illnesses. An emphasis is placed on the nurse/client relationship in behavioral health promotion, restoration, maintenance and support.

NURSE 3341 Clinical Behavioral Health Nursing: 1.5 semester hour

Prerequisites: NURSE 3340. In this course students utilize theory and evidence from nursing and related disciplines in the provision of nursing care to individuals, families, and groups with psychiatric and behavioral health problems. Clinical experiences in community and acute care settings are designed so that students can engage in individual and group strategies that promote and maintain mental health.

NURSE 3350 Nursing of Adults II: 5 semester hours

Prerequisites: NURSE 3120, NURSE 3121. This course focuses on the nursing care of the adult experiencing complex pathophysiologic processes affecting body regulatory mechanisms. These mechanisms are related to endocrine, neurological, musculoskeletal, gastrointestinal, sensory-perceptual, male reproductive and genitourinary problems. This course also incorporates relevant concepts of pathophysiology and pharmacology related to these conditions. Emphasis is placed on health promotion and restoration, maintenance and support, as well as the continued development of the nurse-client relationship, critical thinking and evidence-based nursing practice across the adult life span. NURSE 3350 and NURSE 3351 are co-requisites to be taken together in an 8-week period.

NURSE 3351 Clinical Nursing of Adults II: 3 semester hours

Prerequisites: Co-requisite with NURSE 3350. This course focuses on the nursing care of adults in the lab, clinical agency and simulation environments. Utilizing an integrated approach, complex psychomotor skills and assessment techniques for adult clients are mastered in patients with musculoskeletal problems, endocrine alterations, renal/genitourinary problems, sensory-perceptual problems, and liver problems. Clinical reasoning is developed and applied in order to provide safe and effective nursing care to adult clients with complex problems across the health/illness continuum. NURSE 3350 and NURSE 3351 are co-requisites to be taken together in an 8-week period.

NURSE 3360 Maternal-Child Nursing: 5 semester hours

Prerequisites: PSYCH 1268, NURSE 3120, NURSE 3121. This course focuses on women's reproductive health, childbearing and child-rearing families, as well as the health and illness of children from conception through adolescence. There is an emphasis on family dynamics, growth and development, and communication with children and their families. Health care policy and systems are incorporated as they relate to diverse populations. NURSE 3360 and NURSE 3361 are co-requisites to be taken together in an 8-week period.

NURSE 3361 Clinical Maternal-Child Nursing: 3 semester hours

Prerequisites: Co-requisite with NURSE 3360. Health promotion, protection, restoration, and maintenance for the mother-child and family care are addressed in experiences that include nursing skills lab, hospital agency and a variety of community settings. NURSE 3360 and NURSE 3361 are co-requisites to be taken together in an 8-week period.

NURSE 3799 Statistics for Population Health: 3 semester hours

Prerequisite: Admission to the College of Nursing's RN to BSN Program. This course provides students with an introduction to the use and interpretation of basic statistics, statistical databases, and data analysis. Basic statistical techniques will be introduced and utilized to identify and support evidence-based clinical decisions related to health and society.

NURSE 3804 Ethical and Legal Dimensions of Nursing Practice: 3 semester hours

Prerequisites: Philosophy (3 credits). This course explores the ethical and legal dimensions of nursing practice. The relationship between ethical and legal issues is examined within nursing situations. The student participates in dialogue addressing ethical-legal issues in professional nursing practice to explore personal values, increase sensitivity to others and to develop ethical reasoning abilities.

NURSE 3807 Research and Evidence-Based Nursing Practice: 3 semester hours

Prerequisites: NURSE 3799 (or equivalent) and NURSE 3817. This course prepares nurses to provide evidence-based care to patients among the rapid advances in the science and technology of healthcare. This course provides a basic understanding of how evidence is developed, including the research process, clinical judgment, interprofessional perspectives, and patient preference as applied to nursing practice. Students will learn a systematic method to evaluate and apply research findings and other evidence in designing and implementing nursing care that is multidimensional, high quality, and cost-effective.

NURSE 3808 Management And Leadership In Nursing: 2-3 semester hours

Prerequisites: All 3000 level nursing courses; ECON 1000 or (equivalent) This course prepares the nurse to coordinate and manage client care in diverse health care settings. Emphasis is placed on leadership and management theory and related skills, collaboration, delegation, coordination, and evaluation of multi-disciplinary work and the application of outcome-based nursing practice.

NURSE 3817 Introduction to Health and Nursing Informatics: 3 semester hours

This online laboratory course establishes competency in fundamental information management and computer technology skills. It enables students to use existing information systems and available information to manage nursing practice. Students critically evaluate technology, information, and its sources; use decision support systems designed for clinical decision making; and focus on the representation of nursing data, information, and knowledge.

NURSE 3820 Introduction to Evidence-Based Nursing Practice and Informatics: 5 semester hours

Prerequisites: NURSE 3799 or equivalent statistics course. This course will focus on current review of qualitative and quantitative nursing literature and research utilization through evidence-based practice and establish competency in fundamental information management and technology. Students will examine the research and evidence-based process through analysis and critique of nursing literature; critically evaluate technology, information, and its sources; use decision support systems designed for clinical and ethical decision making; and focus on the presentation of nursing data, information, and knowledge.

NURSE 3873 Guided Study in Nursing: 1-3 semester hours

This course is an in-depth independent study of selected topics in nursing under the guidance of a specific instructor. No more than six hours may be taken under this option.

NURSE 3900 Role of the Baccalaureate-Prepared Nurse: 3 semester hours

Prerequisite: Admission to the College of Nursing's RN to BSN Program. This course provides an overview of the expanded expectations of the baccalaureate-prepared nurse in today's changing healthcare climate. The role of the baccalaureate prepared nurse in influencing healthcare delivery, healthcare systems, and health outcomes of individuals, families, and communities will be explored.

NURSE 3910 Nursing Theory for Population Health: 3 semester hours

Prerequisites: Admission to the College of Nursing's RN to BSN Program. This course provides the opportunity to examine evidence-based practice nursing interventions, select theories, models, assessment strategies, and tools that can be used to promote health for populations. The roles and responsibilities of the professional nurse in population-based health systems will be explored.

NURSE 3920 Health Assessment for the Professional Nurse: 3 semester hours

Prerequisite: Admission to the College of Nursing's RN to BSN Program. This course will incorporate a holistic, multidimensional approach that culminates in the ability to perform a comprehensive health assessment. The course will emphasize the use of clinical reasoning to determine areas in which health promotion activities should be implemented. The impact of social determinants of health, genomics, lifestyle, environmental factors, literacy, and culture will be explored.

NURSE 3930 Nursing Research and Evidence-Based Practice for the Professional Nurse: 3 semester hours

Prerequisite: Admission to the College of Nursing's RN to BSN Program. This course prepares nurses to provide evidence-based nursing care to patients among the rapid advances in the science and technology of healthcare. This course provides a basic understanding of how evidence is developed, including the research process, clinical judgment, interprofessional perspectives, and patient preference as applied to nursing practice. Students will learn a systematic method to evaluate and apply research findings and other evidence in designing and implementing nursing care that is multidimensional, high quality, and cost-effective.

NURSE 3940 Leadership and Management for Professional Nursing: 3 semester hours

Prerequisites: Admission to the College of Nursing's RN to BSN Program. This course prepares the nurse to coordinate and manage client care in diverse health care settings. The use of information systems and data to guide management decisions will be emphasized. Leadership and management concepts, issues, and functions as applied to the role of the professional nurse in delivering culturally competent, safe, and quality care will be examined.

NURSE 4010 Concepts of Caring for Adults II: 5 semester hours

Prerequisites: NURSE 3070. This course focuses on the application of nursing care of the adult patient experiencing selected pathophysiological processes affecting body regulatory mechanisms across the illness and wellness continuum. Emphasis is placed on health restoration, maintenance and support of acute illness as well as the continued development of the nurse-client relationship, critical thinking processes, research-based nursing practice and use of technology. A focus on care collaboration, communication, quality of care, health care ethics and legal implications is provided. This course includes lecture and active learning, in addition to a clinical portion. Completion of 90 clinical hours.

NURSE 4020 Concepts of Caring for Women and the Childbearing Family: 3 semester hours

Prerequisites: NURSE 3020. This course focuses on the application of health and illness continuum concepts related to the care of the woman, gravid mother, newborn, and growing family. This course builds on knowledge developed in previous coursework. Concurrent enrollment in NURSE 4025 and NURSE 4030 is required.

NURSE 4025 Care of Women and Children Clinical: 2 semester hours

Prerequisites: NURSE 3070. This clinical course focuses on the application of health and illness continuum concepts of the gravid woman, newborn, family, and child in relation to nursing care, in addition to women across the lifespan. This course builds on knowledge developed in previous coursework. Students will complete a pediatric-focused clinical of 45 hours and a maternal-focused clinical of 45 hours. Concurrent enrollment in NURSE 4020 and NURSE 4030 is required.

NURSE 4030 Concepts of Caring for Children and Families: 3 semester hours

Prerequisites: NURSE 3020. This course focuses on the pediatric health and illness continuum with an emphasis on family dynamics, growth and development, and communication with children and their families. Nursing concepts include safety, community, cultural congruence, education, collaboration, environmental health, and ethics. Concurrent enrollment in NURSE 4020 and NURSE 4025 is required.

NURSE 4050 Concepts of Community Focused Care: 5 semester hours

Prerequisites: NURSE 3000. This course includes a variety of experiences to prepare the student to assess the health care needs in diverse community settings and develop interventions to meet those needs. Student will complete 90 clinical hours. Concurrent enrollment in NURSE 4060 and NURSE 4065 is required.

NURSE 4060 Synthesis of Concepts in Professional Nursing: 4 semester hours

Prerequisites: NURSE 4010. This course will focus on the synthesis of previous nursing concepts and general education courses with the goal of preparing the student for entry into professional nursing practice. Areas of study are selected from across the lifespan, including diverse populations in a variety of healthcare systems. This course builds upon knowledge developed in previous coursework. Concurrent enrollment in NURSE 4050 and NURSE 4065 is required.

NURSE 4065 Synthesis of Professional Practice Immersion Clinical: 4 semester hours

Prerequisites: NURSE 4010. This clinical course includes a variety of experiences to prepare the student nurse to lead, coordinate, and manage client care in diverse health care settings. This course includes evidence-based strategies. Areas of practice are selected from across the lifespan, including diverse populations in a variety of health care systems. Students will complete 180 clinical hours. Concurrent enrollment in NURSE 4050 and NURSE 4060 is required.

NURSE 4300 Community Health Nursing: 4 semester hours

Prerequisites: All 3000 level nursing courses. This course provides a conceptual foundation for nursing that recognizes the community as client in society. The course examines socioeconomic, environmental, epidemiological, and legislative influences, ethical/legal issues, and the impact of health beliefs and practices on health promotion and protection in communities and society. The student applies various theories and concepts when encountering families, groups and communities with diverse value systems and cultural backgrounds. Course includes classroom and clinical activities in a variety of settings.

NURSE 4310 Senior Synthesis: 6 semester hours

Prerequisites: All 3000 level nursing courses; NURSE 4300 and NURSE 3808 may be taken concurrently. This course integrates theory and practice from previous nursing and general education courses with the goal of preparing the student for entry into professional nursing practice. Within a seminar context, students explore a variety of clinical and professional nursing topics. The course includes research-based strategies utilized for health promotion and protection, health restoration, maintenance and support. Areas of study are selected from across the lifespan, including diverse populations in a variety of health care systems. Course includes classroom and clinical experiences in a variety of settings. Not for graduate credit.

NURSE 4520 Population Focused Nursing: 2 semester hours

Prerequisites: All 3300 level nursing courses, NURSE 3804, NURSE 3820. This course provides a conceptual foundation for nursing that recognizes populations in society. The course examines the effect of socioeconomic and environmental, epidemiological factors, and the impact of health beliefs and practices on health promotion and protection in populations. This course also focuses on epidemiological factors and legislative influences in diverse populations.

NURSE 4521 Clinical Population Focused Nursing: 2 semester hours

Prerequisites: NURSE 4520. This clinical course focuses on the nursing care of populations in various settings. The student applies population-based theories and concepts when encountering individuals, families, groups and populations with diverse value systems and cultural backgrounds.

NURSE 4530 Leadership Development and Professional Nursing Practice: 4 semester hours

Prerequisites: All 3300 level nursing courses, NURSE 3804, NURSE 3820. This course integrates theory and practice from previous nursing and general education courses with the goal of preparing the student for entry into professional nursing practice. Areas of study are selected from across the lifespan, including diverse populations in a variety of health care systems. Topics will include leadership, management theory and related skills, collaboration, delegation, coordination, and evaluation of outcome based interdisciplinary nursing practice.

NURSE 4531 Clinical Leadership Development and Professional Nursing Practice: 4 semester hours

Prerequisites: NURSE 4530. This clinical course includes a variety of experiences to prepare the student nurse to lead, coordinate, and manage client care in diverse health care settings. This course includes research-based strategies utilized for health promotion and protection, health restoration, maintenance, and support. Areas of study are selected from across the lifespan, including diverse populations in a variety of health care systems.

NURSE 4720 Perioperative Nursing: 3 semester hours

Prerequisite: Consent of the instructor. Provides experiences in preoperative, intraoperative, and postoperative settings. Includes a clinical component.

NURSE 4723 Nurse Externship: 3 semester hours

Prerequisite: Senior level status; GPA 3.0 (4.0 scale). This course provides the opportunity to apply theoretical and conceptual knowledge and skills in a structured clinical environment under the guidance of a mentor.

NURSE 4741 Advanced Nrsng Assmt & Mgt Of Clients W/Cardiac Dysrhythmias: 3 semester hours

Prerequisite: Senior status. Focuses on advanced nursing assessment and management of clients with cardiac rhythm problems and conduction disturbances. Includes a clinical component.

NURSE 4902 Ethics, Values, and Policy in Population Health: 6 semester hours

Prerequisites: Admission to the College of Nursing's RN to BSN Program and all 3000-level RN to BSN courses. This course provides an introduction to the impact of values, ethical issues and health policy on professional nursing practice and population health. Students will have the opportunity to analyze public policy's influence on shaping healthcare. Ethical issues affecting nursing practice and patient care will be explored. The opportunity to identify vulnerable populations locally, nationally, and globally will be provided. Epidemiological, demographic, economic, and environmental health factors will be explored to identify community oriented strategies aimed to promote population health.

NURSE 4905 Values In Professional Nursing: 3 semester hours

Prerequisites: All 3000 level RN/BSN nursing courses or consent of instructor. Explores values and beliefs as they shape professional nursing practice and influence clinical decision making and interventions in the evolving health care system. Attention is given to the impact of sociocultural factors and health/illness beliefs and practices of the diverse populations served by the professional nurse. Students examine their own understanding of the moral nature of professional nursing within the context of a diverse society.

NURSE 6000 Statistics in Nursing & Health Sciences: 3 semester hours

Prerequisites: Admission to graduate study in nursing or consent of instructor. Provides students with a graduate level understanding of quantitative methods and their relationship to research in nursing and health sciences. Students will conduct lab data analysis based on the topics covered in the class and learn how to generate specific research questions and conduct basic statistical analysis.

NURSE 6106 Policy, Organization and Financing in Health Care: 3 semester hours

Prerequisite: Admission to MSN program. This course presents an overview of health care policy, organization, and financing with emphasis on current health care trends. The focus is on the design and implementation of health care delivery systems with the goal of providing safe, quality, and informatics driven cost-effective care. Emphasis is placed on the development of a leadership role in managing human, financial, and physical health care resources. The format includes pertinent information concerning primary health care and public health issues, the relationship between these issues, and improving health care delivery and outcomes.

NURSE 6111 Healthcare Systems Concepts and Theory: 3 semester hours

Prerequisites: Consent of Program Director. Healthcare Systems Concepts and Theory introduces the historical development, current U.S. healthcare structure, and projected transformation of the U.S. health care system and practice professions. This is a foundational course that provides the student with an understanding of the complex nature of the healthcare sector. This course content prepares the student to assess organized efforts to influence health delivery and policy formulation, the impact of these efforts on the administrator, leader, or policy analyst of a healthcare organization, and the role of societal values and individual behaviors in healthcare system's performance, reform efforts, and the health status of the U.S. population.

NURSE 6120 Population-Based Foundations of Health: 3 semester hours

Prerequisite: Admission to MSN program. The purpose of this course is to provide students with an advanced nursing practice perspective on providing population-based nursing care. This course includes an evaluation of human and cultural diversity in the health-illness continuum. Core concepts include ethics; theories of health and health promotion, protection, restoration, and maintenance; and the support needed for a peaceful death. Coursework will focus on community/population-based data on epidemiology, disease and injury prevention, health education, growth and development, and family systems.

NURSE 6130 Research, Interventions and Evidence-Based Practice: 3 semester hours

Prerequisites: Consent of Program Director. This course provides opportunities to examine the processes and evaluation components of evidence-based practice, including the identification of significant clinical problems, evaluation of evidence underlying competing interventions, effectiveness of interventions, and implementation and evaluation of health promotion and therapeutic interventions that improve the quality of care or health outcomes for individuals, groups, and populations. Students will have opportunities to develop skills needed to critically analyze scientific literature foundational to implementing evidence-based practice projects.

NURSE 6309 Role of the Nurse Educator: 3 semester hours

Prerequisites: Admission to the MSN program or consent of instructor. This course will explore the roles, responsibilities, and functions of the nurse educator. Emphasis will be placed on the development and evaluation of the interactive nature of teaching and learning in a variety of settings.

NURSE 6320 Learning and Curriculum Development in Nursing: 3 semester hours

Prerequisites: NURSE 6309. This course examines theoretical foundations, principles, and issues in curriculum design. Explores systematic evaluation of curriculum at all levels.

NURSE 6321 Instructional Strategies in Nursing: 3 semester hours

Prerequisites: NURSE 6309 or consent of instructor; must be taken concurrently with NURSE 6320. This course focuses on the development and analysis of teaching and learning strategies in nursing education. Adult learning principles of teaching and learning will be incorporated into the innovative strategies developed within this course. Integration of new technology in instructional design and delivery will be highlighted. Evaluation methods of both teacher and learner will be explored.

NURSE 6322 Evaluation Strategies in Nursing: 3 semester hours

Prerequisites: NURSE 6309. This course provides students the opportunity to learn evaluation concepts, including testing and measurement in nursing education at the didactic, clinical and programmatic levels. Content includes strategies to assess and evaluate learning in the cognitive, psychomotor and affective domains. Quality improvements, as well as legal and ethical considerations are explored. Key concepts include criterion and norm referenced theory and technique; reliability, validity, and the associated descriptive statistics; preparation of instrumental objectives for use in developing classroom tests and clinical nursing performance evaluations.

NURSE 6418 Organizational Behavior in Healthcare: 3 semester hours

Prerequisites: Consent of Program Director. This course applies theory and concepts from organizational behavior to the healthcare system and incorporates organizational theory and behavioral sciences as a framework for improving organization performance. Students will understand interpersonal and interprofessional relationships in healthcare and factors that influence effectiveness and employee and patient satisfaction. Areas of particular focus will include psychosocial factors impacting recruitment selection, training and development of employees, healthcare organizational leadership, theories of employee performance, effective management theory and practice, engaging and involving employees in organizational processes, motivation, teamwork, and managing change.

NURSE 6420 Healthcare Law and Regulation: 3 semester hours

Prerequisites: Consent of Program Director. This course introduces and examines a wide range of topics in the area of health law and regulation, and discusses how laws and regulations can promote or impede health and well-being. Students will explore concepts that inform healthcare policy, potential legal problems in various health care settings, issues and rights that are implicated, and the role of law in healthcare and policy. Students will identify issues and propose solutions or plans of action. The emphasis will be on formulating analyses of federal, state, and local law related to healthcare and public health. Specific topics will include the role that policy and law have played in areas such as tobacco regulation, managed care, healthcare reform, and laws utilized for emergency use of drugs and during public health emergencies.

NURSE 6424 Social Determinants of Health: 3 semester hours

This course covers health disparities in the U.S. that adversely impact individual health, population health outcomes, and the productivity of the workforce. Developing an appropriate response to what will be treated as an epidemic requires an understanding of factors that adversely influence vulnerability and behavior. Patterns of poverty and life expectancy serve as one vehicle for understanding social disparities. The goal of this course is to provide students with the skills to critically reflect on current strategies to stem the health disparities through a sociological approach to understanding epidemiological patterns. Understanding the impact of poverty, racism, and stigma and the processes of migration, incarceration, social interaction that influences vulnerability, access to care, and participation in wellness activities will be addressed. This course will have an extensive interdisciplinary approach that will challenge students to create solutions that address elements of the structural and social environment impacting health disparities. Students will work with individuals in the community to assess existing disparities, the current and the past approaches to mitigating the factors leading to disparities.

NURSE 6509 Role of the Clinical Nurse Specialist/Nurse Practitioner: 2 semester hours

Prerequisites: Admission to the Master's Program in the College of Nursing or consent of instructor. This course will focus on issues affecting the emerging roles of the nurse practitioner and clinical nurse specialist. It is designed to facilitate the role development of nurses who desire to function as primary care providers and/or as specialists within a specific clinical area of advanced nursing practice. Emphasis include sub-roles of advanced practice (leader, consultant, expert, researcher, educator), legal and professional issues, change theories, and standards of practice.

NURSE 6518 Pathophysiology for Advanced Nursing Practice: 3 semester hours

Prerequisites: Consent of Program Director. This course prepares the student to interpret changes in physiology that result in symptoms indicative of illness by a systematic examination of disease processes. The graduate student will compare and contrast differential diagnosis within physiological systems of sub-cellular and cellular origin, biochemical, and anatomical changes across the life span.

NURSE 6520 Pharmacology for Advanced Nursing Practice: 3 semester hours

Prerequisites: NURSE 6518 or consent of Program Director. This is a course in clinical pharmacotherapeutics that builds on prior knowledge of drug classifications, actions, interactions, and adverse drug reactions. The major focus of the course is the pharmacotherapeutic use of medications for primary healthcare management by advanced practice nurses. Emphasis is placed on clinical critical thinking processes used to prescribe drugs in the management of specific illnesses. The laws and regulations for advanced practice nurse prescriptive authority will be addressed. Emphases include pharmacodynamics, pharmacokinetics, pharmacotherapeutics, health-related information, medication compliance, and issues that pertain to the prescribing of medications in advanced nursing practice.

NURSE 6524 Health Assessment For Advanced Nursing Practice: 3 semester hours

Prerequisite: NURSE 6518 or consent of Program Director. This course provides a systematic approach to advanced physical assessment as well as psychological, sociocultural, developmental, and spiritual assessment of individuals across the life span. This course builds upon basic health assessment knowledge and skills, laboratory work interpretation, validation, documentation, and analysis of assessment findings. This course includes mandatory didactic and clinical experiences.

NURSE 6529 Pediatric Pharmacology: 3 semester hours

Prerequisites: Admission to the graduate nursing program, or consent of the instructor. The course focuses on the clinical application of pharmacotherapeutics to the management of pediatric health and illness. Students acquire advanced knowledge as a foundation for prescribing, monitoring, and educating about pharmacologic and alternative therapeutic agents. Emphasis is placed on synthesis of pharmacokinetics and pharmacodynamics principles for the prevention and treatment of acute and chronic illnesses in acute and primary care settings.

NURSE 6530 Clinical Diagnostics for Advanced Nursing Practice: 3 semester hours

Prerequisites: Consent of Program Director. This course provides an introduction to the interpretation and appropriate use of diagnostic measures for advanced practice nurses in primary care settings. Special attention is paid to laboratory, radiographic and diagnostic testing. In addition, clinical opportunities will be provided to gain clinical interventional skills for advanced practice nursing.

NURSE 6660 Introduction to Health Systems Management, and Policy for Underserved: 3 semester hours

Prerequisites: Consent of Program Director. This course provides a comprehensive survey of the U.S. health care system, healthcare policy, integrative care practice models, and management principles useful in primary care settings dedicated to underserved populations. Selected topics include health behaviors, health maintenance and the management of primary healthcare in underserved populations, access to mental health care and substance abuse treatment, the U.S. healthcare system (both public and private sectors), the legal and ethical bases for caring for the underserved, the public policy-making process, and management principles of strategic planning, marketing, and project management in clinics serving the underserved. The analysis of community health indicators, health disparities, and healthcare trends impacting underserved populations will be incorporated into a community based experience.

NURSE 6730 Leadership in Population Health I: 4 semester hours

This clinical course is designed to provide a theoretical and practical base for leadership development in population health, community health and organizational management. Emphasis is placed on clinical assessment and decision-making in the population's community-level intervention to change health outcomes. The student is expected to clinically apply the concepts and theories discussed in class that address health disparities in underserved populations, infectious diseases and community-level systems to chronic conditions.

NURSE 6731 Leadership in Population Health II: 4 semester hours

Prerequisites: NURSE 6730 or consent of Program Director. This clinical course is designed to provide a theoretical and practical base for leadership development in population health, community health and organizational management. Emphasis is placed on clinical assessment and decision-making in the population's community-level intervention to change health outcomes. The student is expected to clinically apply the concepts and theories discussed in class that address health disparities in underserved populations, infectious diseases and community-level systems to chronic conditions.

NURSE 6737 Psychiatric-Mental Health I: Diagnosis and Management in Advanced Practice Nursing: 4-5 semester hours

Prerequisites: NURSE 6518, NURSE 6520, NURSE 6524 or consent of the Program Director. This course builds upon the advanced practice foundational courses of pathophysiology, pharmacology and advanced physical assessment to prepare students to assume roles in the advanced nursing care of individuals and families across the lifespan experiencing psychiatric-mental health concerns. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within a defined scope of practice. Students will synthesize prior learning and apply primary prevention strategies into the diagnosis and holistic management of common acute, chronic and mental health problems in this population.

NURSE 6738 Psychiatric-Mental Health II: Diagnosis and Management in Advanced Practice Nursing: 4-5 semester hours

Prerequisite: NURSE 6737 or consent of Program Director. This course builds upon the advanced practice foundational courses of pathophysiology, pharmacology and advanced physical assessment to prepare students to assume roles in the advanced nursing care of the adult-geriatric age spectrum. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within a defined scope of practice. Students will synthesize prior learning and apply primary prevention strategies into the diagnosis and holistic management of common acute, chronic, and mental health problems in this population.

NURSE 6739 Adult-Geriatric Health I: Diagnosis and Management in Advanced Practice Nursing: 4-5 semester hours

Prerequisites: NURSE 6518, NURSE 6520, NURSE 6524 or consent of the Program Director. This course builds upon the advanced practice foundational courses of pathophysiology, pharmacology and advanced physical assessment to prepare students to assume roles in the advanced nursing care of the adult-geriatric age spectrum. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within a defined scope of practice. Students will synthesize prior learning and apply primary prevention strategies into the diagnosis and holistic management of common acute, chronic and mental health problems in this population.

NURSE 6740 Adult-Geriatric Health II: Diagnosis and Management in Advanced Practice Nursing: 4-5 semester hours

Prerequisite: NURSE 6739 or consent of Program Director. This course builds upon the advanced practice foundational courses of pathophysiology, pharmacology and advanced physical assessment to prepare students to assume roles in the advanced nursing care of the adult-geriatric age spectrum. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within a defined scope of practice. Students will synthesize prior learning and apply primary prevention strategies into the diagnosis and holistic management of common acute, chronic and mental health problems in this population.

NURSE 6741 Family Health I: Diagnosis and Management of Advanced Practice Nursing: 4-5 semester hours

Prerequisites: NURSE 6518, NURSE 6520, NURSE 6524 or consent of the Program Director. This course builds upon the advanced practice foundational courses of pathophysiology, pharmacology and advanced physical assessment to prepare students to assume roles in the advanced nursing care of individuals and families across the lifespan. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within a defined scope of practice. Students will synthesize prior learning and apply primary prevention strategies into the diagnosis and holistic management of common acute, chronic and mental health problems in this population.

NURSE 6742 Family Health II: Diagnosis and Management in Advanced Practice Nursing: 4-5 semester hours

Prerequisites: NURSE 6741 or consent of Program Director. This course builds upon the advanced practice foundational courses of pathophysiology, pharmacology and advanced physical assessment to prepare students to assume roles in the advanced nursing care of individuals and families across the lifespan. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within a defined scope of practice. Students will synthesize prior learning and apply primary prevention strategies into the diagnosis and holistic management of common acute, chronic and mental health problems in this population.

NURSE 6743 Child Health I: Diagnosis and Management in Advanced Practice Nursing: 4-5 semester hours

Prerequisites: NURSE 6578, NURSE 6520, NURSE 6524 or consent of Program Director. This course builds upon the advanced practice foundational courses of pathophysiology, pharmacology and advanced physical assessment to prepare students to assume roles in the advanced nursing care of infants, children and adolescents. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within a defined scope of practice. Students will synthesize prior learning and apply primary prevention strategies into the diagnosis and holistic management of common acute and chronic health and mental health problems in this population.

NURSE 6744 Child Health II: Diagnosis and Management in Advanced Practice Nursing: 4-5 semester hours

Prerequisites: NURSE 6743 or consent of Program Director. This course builds upon the advanced practice foundational courses of pathophysiology, pharmacology, and advanced physical assessment to prepare students to assume roles in advanced nursing care of infants, children and adolescents. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within a defined scope of practice. Students will synthesize prior learning and apply previous strategies into the diagnosis and holistic management of common acute, chronic and mental health problems in this population.

NURSE 6746 Women's Health I: Diagnosis and Management in Advanced Practice Nursing: 4-5 semester hours

Prerequisites: NURSE 6518, NURSE 6520, NURSE 6524 or consent of Program Director. This course builds upon the advanced practice foundational courses of pathophysiology, pharmacology and advanced physical assessment to prepare students to assume roles in the advanced nursing care of women across the life span, with a focus on reproductive health, including male sexual and reproductive health. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within the defined scope of practice. Students will synthesize prior learning and apply primary prevention strategies into the diagnosis and holistic management of common acute, chronic and mental health problems in this population.

NURSE 6747 Women's Health II: Diagnosis and Management in Advanced Practice Nursing: 4-5 semester hours

Prerequisites: NURSE 6518, NURSE 6520, NURSE 6524 or consent of Program Director. This course builds upon the advanced practice foundational courses of pathophysiology, pharmacology and advanced physical assessment to prepare students to assume roles in the advanced nursing care of the adult-geriatric age spectrum. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within a defined scope of practice. Students will synthesize prior learning and apply primary prevention strategies into the diagnosis and holistic management of common acute, chronic and mental health problems in this population.

NURSE 6748 Neonatal Nursing I: 3 semester hours

Prerequisites: NURSE 6525, NURSE 6528, NURSE 6517, or consent of instructor; NURSE 6749 may be taken concurrently. The first of two courses that integrate the physiologic, pharmacologic, and assessment skills and principles in determining appropriate care of the ill neonate. Current research and evidenced-based practices are used as the course framework. The effects of critical conditions on the growth and development of the neonate, including subsequent chronic health problems as well as the short and long term consequences to the child's family are emphasized. Disorders of the central nervous, pulmonary, and cardiovascular systems will be discussed. The use of specific interventions and diagnostic procedures are demonstrated and applied in laboratory/clinical settings during forty hours of required clinical activities.

NURSE 6750 Acute Child Health I: Diagnosis and Management in Advanced Practice Nursing: 4 semester hours

Prerequisites: NURSE 6529 or consent of the Program Director. This is the first of two courses in which the management of complex acute, critical, and chronically ill patients for urgent and emergent conditions is explored. The focus is on alterations in pathophysiology, advanced assessment, diagnosis, and collaborative management of infants, children and adolescents with selected episodic/chronic health problems in acute/critical care.

NURSE 6751 Acute Child Health II: Diagnosis and Management in Advanced Practice Nursing: 4 semester hours

Prerequisites: NURSE 6750. This is the second of two courses which builds upon prior acute care pediatric content and focuses on critical complex and end of life care. The emphasis is on evidenced based strategies to stabilize the patient's condition, assess the risk for and prevent complications, and restore maximum health and/or provide palliative care in the context of the patient's developmental, physical and psychosocial environment.

NURSE 6870 Special Topics In Advanced Practice Nursing: 1-3 semester hours

Prerequisites: Consent of instructor. Explore special topics for the advanced practice nurse in the areas of research, theory, education and administration. No more than three hours shall be applied toward the degree. This course is for graduate MSN or PhD levels.

NURSE 6875 Special Study In Graduate Nursing: 1-3 semester hours

Prerequisites: Admission to MSN program or consent of instructor. In-depth study of selected topics in nursing under the guidance of a specific instructor. No more than three hours may be applied to the master's program of study.

NURSE 6934 Leadership in Population Health and Healthcare Systems Residency I: 2-4 semester hours

Prerequisites: Consent of the instructor and graduate standing. This clinical course is designed to provide a theoretical and practical base for leadership development in population health and community health and organizational management. Emphasis is placed on clinical assessment and decision-making in the populations and community-level interventions to change health outcomes. The student is expected to clinically apply the concepts and theories discussed in class that address health disparities in underserved populations, infectious diseases, and community-level responses to chronic conditions. Clinical experiences are designed to enhance assessment and technical skills.

NURSE 6935 Leadership in Population Health and Healthcare Systems Residency II: 2-4 semester hours

Prerequisites: Consent of the instructor and graduate standing. This clinical course provides continued precepted experiences that allow students to develop the nurse practitioner role and clinical competencies within their specific emphasis area. Students integrate theory and clinical competencies to provide preventative care, health promotion, health education, health systems leadership, policy and evidence-based care populations.

NURSE 6950 Advanced Nursing Practice: 4 semester hours

Prerequisites: NURSE 6739, NURSE 6743, NURSE 6746. Advanced nursing practice examines different nursing and interdisciplinary models of case management of acute and chronic problems across the lifespan. The intensive clinical experience focuses on the student's specialty care area: adults, pediatric or women's health.

NURSE 6951 Advanced Intensive Clinical for the Nurse Educator: 2 semester hours

Prerequisites: NURSE 6520, NURSE 6524, NURSE 6309. This course provides a concentrated opportunity to function in an advanced nursing role as a nurse educator incorporating an intensive clinical experience focusing on the student's chosen population.

NURSE 6952 Synthesis Practicum: 3 semester hours

Prerequisites: All required courses in the Nurse Educator or Nursing Leadership of Health Systems option or consent of instructor. This clinical course is a concentrated opportunity to function in an advanced nursing role as a nurse administrator, integrating clinical and functional role activities within a chosen setting. Emphasis includes educator or administrator nursing practice, functional role responsibilities, and activities with emphasis on their relationship to client outcomes.

NURSE 6954 Advanced Practice Nursing: Residency I: 2-4 semester hours

Prerequisites: NURSE 6738, NURSE 6740, NURSE 6742, NURSE 6744 or NURSE 6747. This clinical course provides precepted experiences that allow students to continue to develop the nurse practitioner role and clinical competencies within their specific emphasis area. Students integrate theory and clinical competencies to provide preventative care, health promotion, health education and evidence-based care for acute, chronic and mental health conditions for individuals and families.

NURSE 6955 Advanced Practice Nursing: Residency II: 3-6 semester hours

Prerequisites: NURSE 6954. This clinical course provides a continuation of precepted experiences that allow students to develop the nurse practitioner role and clinical competencies within their specific emphasis area. Students integrate theory and clinical competencies to provide preventative care, health promotion, health education and evidence-based care for acute, chronic and mental health conditions for individuals and families.

NURSE 7200 State of the Science in Nursing Research and Practice: 3 semester hours

Prerequisites: Consent of Program Director. This course examines the state of scientific knowledge in nursing research and practice. Gaps in the nursing research and practice are identified. Interrelationships between nursing science and scientific developments in other disciplines from the perspectives of health outcomes, population health indices, and policy implications of scientific progress are analyzed. Advances in biophysiological, psychosocial, sociocultural, health systems, and health economics research and the implications for translation to improve nursing science and practice are analyzed.

NURSE 7209 Advanced Nursing Roles and the Role of the DNP: 3 semester hours

Prerequisites: Consent of Program Director. This course provides students with the opportunity to synthesize and analyze knowledge of the advanced nursing role and the DNP role within a specified population focus and role. The overview of selected theories and frameworks that can be used to guide advanced practice nurses and nursing leaders in facilitating the use of evidence-based practice, understanding cultural aspects of care, and framing situational awareness. Emphasis includes sub-roles of the doctorally-prepared nurse including Advance Practice Registered Nurse (APRN), leader, consultant, expert, researcher, and educator.

NURSE 7211 Biostatistics I: 3 semester hours

Prerequisites: Consent of Program Director. This course provides a foundational understanding of the use of biostatistics in conducting research. Types of data, data description, logic of sampling and test statistics, hypothesis testing, type 1 and type 2 errors, covariates and confounding variables, and clinical versus statistical significance are included. Opportunities will be provided to gain skills conducting statistical analysis using SPSS, interpreting the results of analytic processes, and applying the results to common health and illness examples encountered in research publications.

NURSE 7212 Biostatistics II: 3 semester hours

Prerequisites: NURSE 7211 or permission of the instructor. This course emphasizes applications of inferential statistics including analysis of variance, simple and multiple linear and logistic regression models, tests of mediation and moderation, and repeated measures and an introduction to longitudinal analyses. The analytic methods and applications will be framed within the health science research field with emphases placed on designing and conducting studies and appropriate analyses using the techniques described above.

NURSE 7220 Leadership in Practice: 3 semester hours

Prerequisites: Consent of Program Director. This course provides students with the opportunity to develop and refine critical leadership skills by focusing on improving the health of individuals and populations. The course uses a combination of didactic lectures, case-based learning and experiential exercises to explore leadership competencies including change management, strategy implementation, quality improvement, effective communication, team dynamics, and systems thinking. Emphasis is on using models and theories that facilitate inter-professional collaboration to achieve optimal health outcomes. The focus is effective communication and leadership methods necessary to establish successful inter-professional teams. Students will enhance skills in verbal, written and electronic communication; team leadership; and creating and sustaining health related initiatives. Through advanced understanding of the inter-professional dimension of healthcare, students will facilitate collaboration and remove barriers to providing safe, timely, effective, efficient, equitable and patient centered care in healthcare systems.

NURSE 7230 Epidemiology: 3 semester hours

Prerequisite: NURSE 7211 or Consent of Program Director. This course covers epidemiology, logistic modeling, and public health surveillance in primary healthcare. It provides an introduction into investigation of outbreaks. The course will enable the healthcare professional to develop a knowledge base to address issues of health and illness of a population.

NURSE 7240 Health Informatics: 3 semester hours

Prerequisites: Consent of the Program Director. This course explores information systems and computer technologies that can improve the health of individuals, families, communities, and populations by optimizing information management and communication. Focus areas include the electronic medical record, technologies to improve patient safety, standards for privacy and security, tele-health systems to improve healthcare access to underserved populations, use of web-enhanced technologies for research translation, and strategies to provide data for decision making and evidence-based databases. Emphasis is placed on developing competence in technology use for the purpose of program evaluation, establishing healthcare quality, and improving healthcare delivery to diverse populations in complex healthcare settings.

NURSE 7251 Healthcare Economics: 3 semester hours

Prerequisites: Consent of Program Director. This course introduces the student to the basic economic concepts and analytical methods used to understand, analyze, and evaluate economic aspects across various sectors of the healthcare system including clinics, underserved and rural populations, the role of government in the delivery of healthcare services, and the economic aspects of healthcare reform. The course applies tools of analysis to the behavior of households, healthcare providers, health insurance organizations, pharmaceutical industries, and not-for-profit and federally-funded clinics.

NURSE 7260 Program Evaluation and Quality Management in Healthcare: 3 semester hours

Prerequisite: None. This course introduces students to the principles and procedures for assessing the quality and effectiveness of programs, projects, and materials related to planned interventions and systems changes in health settings. An overview is provided of past and current strategies to define and assess the quality of healthcare delivery using tools required to examine, evaluate, and implement the key structures and processes of quality improvement programs in healthcare organizations. Practical applications that prepare the participants to use the theory and techniques of quality improvement in situations with complex clinical and managerial implications will be incorporated.

NURSE 7291 DNP Capstone I: 2 semester hours

Prerequisites: Consent of the instructor and graduate standing. This experience provides additional opportunities for practice expertise development to create change in a targeted population and complex healthcare environments. Students will develop skills to assess and diagnose healthcare systems and identify evidence-based strategies to improve health outcomes. This experience includes immersion in their population-focused scholarly project.

NURSE 7292 DNP Capstone II: 2 semester hours

Prerequisites: Consent of the instructor and graduate standing. This experience provides additional opportunities for practice expertise development to create change in a targeted population and complex healthcare environments. Students will develop skills to assess and diagnose healthcare systems and identify evidence-based strategies to improve health outcomes. This experience includes immersion in their population-focused scholarly project.

NURSE 7293 DNP Capstone III: 2 semester hours

Prerequisites: Consent of Program Director. This experience provides additional opportunities for the development of practice expertise to create change in a targeted population and complex healthcare environments. Students will develop skills to assess and diagnose healthcare systems and identify evidence-based strategies to improve health outcomes. This experience includes immersion in their population-focused scholarly project.

NURSE 7299 DNP Seminar: 1-3 semester hours

Prerequisites: All DNP required course work or Consent of Instructor.

This seminar provides students with the opportunity to synthesize and analyze knowledge within the context of the emerging DNP role. Analysis of practice issues may include reflective practice, collaboration, health systems technology, ethics and policy.

NURSE 7300 Prevention of Injury and Disability: 3 semester hours

Prerequisites: Graduate status or consent of instructor. This course will examine trends in injury and disability nationally and internationally, relevant theories and conceptual models, the definition and measurement of key concepts, and analysis of interventions proposed for preventing injury and mitigating disability. The role of information and computer technologies in the management of disability will also be considered. Specific content will include age-related injury and disability, disability associated with cardiovascular and other chronic diseases, and the psychosocial contexts of disability, including traumatic stress and its outcomes.

NURSE 7401 Research Institute I: 2 semester hours

Prerequisites: Admission to Doctoral Study in Nursing. This course provides an introduction to the process of becoming a research scientist or translational investigator. Content will include the responsible conduct of research, its core elements, relevant policies and procedures, and relevant research. This course also includes the culture of nursing, literature reviews, scholarly writing, technology in the research process, developing a program of scholarship and effective time management.

NURSE 7403 Development of the Nurse Scientist: 3 semester hours

Prerequisite: Admission to doctoral study in nursing. This course addresses the role of the PhD-prepared nurse as scientist, leader, academician, and policy maker. Students will analyze strategies for lifelong learning and development as nurse scientists and will explore avenues for building their programs of scholarship, funding opportunities, and contributing to nursing science in policy and clinical practice. Students will examine ways to collaborate effectively in order to improve health care and health outcomes.

NURSE 7443 Healthcare Policy: 3 semester hours

Prerequisites: Graduate standing and Consent of the Program Director. This is a survey course examining current issues in healthcare policy that face the nation. Policies are placed in a historical context to show how issues have been influenced by different political and economic conditions. Secondary consequences and limitations of current trends in healthcare policy are explored.

NURSE 7481 Development Of Nursing Science And Theory: 3 semester hours

Prerequisite: Admission to PhD Program. This course focuses on the discipline of nursing, including the evolution of the state of scientific inquiry and knowledge development in nursing. The course includes the aims of nursing science, the nature of nursing knowledge and scientific theories, and a discussion of relationships among theory, research, method, and practice. Students engage in constructive dialogue as they begin to conceptualize nursing phenomena in their area of interest.

NURSE 7488 Introduction to Qualitative Research Methodologies and Methods: 3 semester hours

Prerequisites: Admission to PhD program. This course introduces qualitative research methodologies and methods useful to healthcare and related sciences. Emphasis is placed on theoretical and philosophical perspectives, selection of appropriate methodologies, data collection and analysis methods, and critique. An overview of traditional and emerging designs, strengths and limitations of various methodologies, and ethical concerns will be addressed.

NURSE 7490 Advanced Nursing Research Designs and Methods: 3 semester hours

Prerequisite: Admission to the PhD program. This course focuses on development of the research plan including issues in sampling, design, and implementation nursing research. Students will evaluate research methods to answer research questions in their area of interest. Content includes design and analysis issues affecting validity, examination of measurement techniques for assessing validity, reliability, structure of data collection instruments, and criteria for instrument selection. A research proposal will be prepared.

NURSE 7491 Advanced Nursing Theory Development And Validation: 3 semester hours

Prerequisite: Admission to PhD program. This course focuses on a systematic study of contemporary nursing science and related theories in knowledge development, and the application of theory construction and validation strategies to specific nursing phenomena of interest. Students create and critically examine theoretical frameworks and models, with emphasis placed on constructing and testing theoretical statements.

NURSE 7495 Mixed Methods Research in Health Care: 3 semester hours

Prerequisites: NURSE 7490, NURSE 7488; or consent of the instructor. Emphasis will be on merging methods and addressing epistemological and paradigmatic issues. The value and use of the mixed methods approach, philosophical assumptions, types of designs, and approaches to designing and conducting mixed methods research in health care related disciplines will be emphasized.

NURSE 7496 Seminar in Advanced Qualitative Research Methods: 3 semester hours

Prerequisites: NURSE 7488 or consent of the instructor. This course is designed to engage nurse researchers in the applied collection and analysis of qualitative data and the dissemination of qualitative findings. This course explores congruent systematic analyses/interpretations based upon a variety of philosophical and/or theoretical stances, which could include phenomenology, hermeneutics, ethnography, grounded theory, case study, participatory action research, critical theory or other post-colonial and feminist approaches, textual analysis, aesthetic inquiry and others. Dissemination of findings will be emphasized as well as issues related to data management, rigor, and funding of qualitative proposals. Contemporary approaches to multiple methodology studies and innovative designs will be addressed. Students will be encouraged to practically engage in a methodology of choice in depth.

NURSE 7497 Design, Implementation and Evaluation of Health Interventions: 3 semester hours

Prerequisites: NURSE 7490 or consent of the instructor. This course focuses on developing skills in designing, delivering, and evaluating evidence-based health interventions that integrate relevant theoretical, research, social determinants, and biobehavioral variables with salient cultural variables for targeted groups. The course includes the application of research skills and empirical foundation for advanced research intervention design and evaluation related to a focal area of research interest.

NURSE 7498 Doctoral Seminar: 1-12 semester hours

Prerequisite: Consent of instructor. Presentation and discussion of pertinent methodological and clinical issues related to doctoral research.

NURSE 7499 Dissertation Research: 1-12 semester hours

Prerequisite: All required course work; successful completion of comprehensive examination. Investigation of an advanced nature culminating in successful defense of dissertation. Continuous registration is required.

NURSE 7529 Special Topics in Qualitative Systematic Reviews: 3 semester hours

Prerequisites: NURSE 7488 or equivalent. This course examines and carries out elements of qualitative systematic reviews, such as topic/problem identification, data collection, and analysis. Students will gain an understanding of how to limit threats to validity and maximize generalizability.

NURSE 7530 Community Health and Infrastructure Assessment: 3 semester hours

Prerequisites: Consent of the instructor and graduate standing. This course will introduce community health assessment and community infrastructure assessment. Participants will be introduced to the information and the resources available to secure and improve resilience in the community's healthcare and public health infrastructure. Participants will also be given an opportunity to work on a community-based health assessment project in conjunction with a community partner. Much of the experience will be practical and hands-on. Participants may be asked to work with a new project or join in an ongoing project.

NURSE 7870 Special Topics in Scientific Foundations of Research: 1-6 semester hours

Prerequisites: Consent of the instructor and graduate standing. Explore special topics related to PhD dissertation. This course can be a cognate, elective, or for students who are enrolling in one of the shared courses available through the UM-funded CARMA initiative (Collaborations for Advanced Research Methods and Analysis).

NURSE 7934 Leadership in Population Health and Healthcare Systems Residency III: 2-4 semester hours

Prerequisites: Consent of the instructor and graduate standing. This clinical course provides continued precepted experiences that allow students to develop the leadership and population-focused role and clinical competencies within their specific emphasis area. Students integrate theory and clinical competencies to population preventative care, healthcare, health promotion, health education, health systems leadership, policy, and evidence-based care populations.

NURSE 7954 Advanced Practice Nursing: Residency III: 2-4 semester hours

Prerequisites: NURSE 6955; may be taken concurrently with DNP Capstone. This clinical course provides continued precepted experiences that allow students to develop the leadership and population-focused role and clinical competencies within their specific emphasis area. Students integrate theory and clinical competencies to population preventative care, healthcare, health promotion, health education, health systems leadership, policy, and evidence-based care populations.